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ABSTRACT

The Anchor Test Study provides a method for translating a pupil's score on any one of eight widely used standardized reading tests for Grades 4, 5, and 6 to a corresponding score on any of the other seven tests, as well as furnishing new nationally representative norms for each of the eight tests. In addition, the study presents new estimates of alternate form reliability for each test, provides estimates of the intercorrelations among the tests, and explores empirically some methodological questions in test-equating. The major purpose of the Anchor Test Study Supplement is to equate the Gates MacGinitie Reading Test (1964) to the other seven tests in the Study: California Achievement Tests (1970), Comprehensive Tests of Basic Skills (1968), Iowa Test of Basic Skills (1971), Metropolitan Achievement Tests (1970), Sequential Tests of Educational Progress (1969), SRA Achievement Series (1971), and Stanford Achievement Tests (1964). This volume of the Supplement provides tables of estimates of equating error, correlation tables, conditional errors of equating, equating procedure comparison graphs, individual norms and school mean norms for the Gates MacGinitie Test (1964), and norms comparisons tables at Grades 4, 5, and 6. (RC)

ED 092634

ANCHOR TEST STUDY SUPPLEMENT

FINAL REPORT

VOLUME XXXIII

ERROR OF EQUATING

CORRELATIONS

CONDITIONAL ERROR OF EQUATING

PROCEDURE COMPARISON GRAPHS

INDIVIDUAL NORMS AND SCHOOL MEAN NORMS

NORMS COMPARISONS

Grades 4, 5, and 6

TM 003 817

September 1973

EDUCATIONAL TESTING SERVICE
PRINCETON, NEW JERSEY

BERKELEY, CALIFORNIA

This report was prepared under Contract No. OEC-0-71-4758(248) and submitted to the National Center for Educational Statistics, Office of Education, U.S. Department of Health, Education, and Welfare. The contractor was encouraged to exercise professional judgment in its contents; therefore, this report does not necessarily reflect positions and policies of the Government. In particular, no official endorsement of the tests mentioned in the report should be inferred.

ORGANIZATION OF THIS VOLUME

TABLES OF ESTIMATES OF EQUATING ERROR AT GRADES 4, 5, AND 6

TABLES OF CORRELATIONS AT GRADES 4, 5, AND 6

CONDITIONAL ERROR OF EQUATING AT GRADES 4, 5, AND 6

PROCEDURE COMPARISON GRAPHS AT GRADE 4

PROCEDURE COMPARISON GRAPHS AT GRADE 5

PROCEDURE COMPARISON GRAPHS AT GRADE 6

GMT NORMS AT GRADES 4, 5, AND 6

- Individual Norms
- School Mean Norms

NORMS COMPARISONS TABLES AT GRADES 4, 5, AND 6

LIST OF EQUATING ERROR TABLES AT GRADES 4, 5, AND 6

Method	Table Numbers		
	Vocabulary	Reading Comprehension	Total Reading
Procedure 1: Equipercentile Method	2313	2314	2315
Procedure 2: Equipercentile Method	2316	2317	2318
Average of Procedures 1 and 2: Equipercentile Method	2319	2320	2321

TABLE 2313. ANCHOR TEST EQUATING STUDY SUPPLEMENT

ESTIMATES OF ERROR IN EQUATING THE VOCABULARY SUBTEST OF THE GMT (64 ED.) TO THE MAT (70 ED.) WORD KNOWLEDGE SUBTEST

PROCEDURE 1, EQUIPERCENTILE METHOD

RAW SCORE	GMT (64 ED.) SURVEY D FORM 1 VOCABULARY GRADE 4 — MAT EQUIV. ELEMENTARY FORM F	ERROR	GMT (64 ED.) SURVEY D FORM 1 VOCABULARY GRADE 5 — MAT EQUIV. INTERMEDIATE FORM F	ERROR	GMT (64 ED.) SURVEY D FORM 1 VOCABULARY GRADE 6 — MAT EQUIV. INTERMEDIATE FORM F	ERROR
50	50.4	.00	50.4	.04	50.4	.04
49	50.4	.00	50.3	.16	50.1	.07
48	50.4	.00	49.8	.24	49.7	.15
47	50.4	.10	49.3	.14	49.1	.17
46	50.3	.13	48.7	.26	48.3	.22
45	50.2	.19	47.8	.28	47.7	.23
44	50.0	.18	46.8	.34	46.8	.20
43	49.9	.22	46.0	.29	45.9	.25
42	49.6	.21	45.1	.27	44.9	.34
41	49.3	.17	44.0	.28	43.7	.34
40	48.9	.15	42.8	.36	42.5	.31
39	48.4	.10	41.4	.30	41.4	.31
38	47.9	.11	39.9	.26	40.1	.27
37	47.4	.09	38.4	.31	38.8	.25
36	46.9	.09	37.1	.24	37.3	.25
35	46.3	.09	35.6	.26	35.8	.25
34	45.7	.12	34.2	.23	34.2	.23
33	45.0	.12	32.9	.34	32.6	.24
32	44.1	.14	31.4	.33	31.1	.22
31	43.2	.18	29.9	.30	29.7	.24
30	42.2	.21	28.4	.27	28.2	.20
29	41.1	.25	26.8	.32	26.6	.25
28	40.0	.32	25.2	.42	24.9	.36
27	38.8	.40	23.8	.45	23.3	.39
26	37.3	.52	22.5	.39	21.9	.51
25	35.9	.60	21.4	.34	20.6	.48
24	34.4	.66	20.3	.41	19.4	.48
23	32.9	.68	19.2	.44	18.3	.48
22	31.2	.72	18.2	.49	17.3	.37
21	29.3	.77	17.1	.43	16.3	.36
20	27.2	.79	16.2	.35	15.7	.36
19	25.0	.86	15.3	.29	15.0	.39
18	22.9	.94	14.5	.28	14.2	.40
17	21.0	1.03	13.8	.30	13.4	.35
16	19.3	.96	13.1	.33	12.7	.37
15	17.9	.82	12.4	.41	11.9	.45
14	16.4	.71	11.7	.46	10.9	.43
13	15.3	.57	11.1	.49	9.8	.45
12	14.2	.50	10.5	.49	8.7	.50
11	13.1	.47	9.8	.55	7.8	.68
10	12.0	.41	9.0	.67	6.7	.59
9	10.5	.58	8.2	.79	5.6	.59

TABLE 2313. ANCHOR TEST EQUATING STUDY SUPPLEMENT

ESTIMATES OF ERROR IN EQUATING THE VOCABULARY SUBTEST OF THE GMT (64 ED.) TO THE MAT (70 ED.) WORD KNOWLEDGE SUBTEST

PROCEDURE 1, EQUIPERCENTILE METHOD

RAW SCORE	GMT (64 ED.) SURVEY D FORM 1 VOCABULARY GRADE 4 — MAT EQUIV. ELEMENTARY FORM F	ERROR	GMT (64 ED.) SURVEY D FORM 1 VOCABULARY GRADE 5 — MAT EQUIV. INTERMEDIATE FORM F	ERROR	GMT (64 ED.) SURVEY D FORM 1 VOCABULARY GRADE 6 — MAT EQUIV. INTERMEDIATE FORM F	ERROR
8*	9.1	.67	7.3	.80	4.5	.65
7	7.9	.58	6.5	.83	3.4	.77
6	6.9	.52	5.7	.95	2.3	.92
5	6.0	.43	4.7	1.12	1.2	1.11
4	4.8	.41	3.8	1.31	0.1	1.28
3	3.6	.67	2.8	1.32	0.0	.78
2	2.4	1.11	1.9	1.01	0.0	.18
1	1.3	.92	0.9	.72	0.0	.00
0	0.1	.48	0.0	.36	0.0	.00

TABLE 2314. ANCHOR TEST EQUATING STUDY SUPPLEMENT

ESTIMATES OF ERROR IN EQUATING THE COMPREHENSION SUBTEST OF THE GMT (64 ED.) TO THE MAT (70 ED.) READING (COMPREHENSION) SUBTEST

PROCEDURE 1, EQUIPERCENTILE METHOD

RAW SCORE	GMT (64 ED.) SURVEY D FORM 1 COMPREHENSION GRADE 4 — MAT EQUIV. ELEMENTARY FORM F	ERROR	GMT (64 ED.) SURVEY D FORM 1 COMPREHENSION GRADE 5 — MAT EQUIV. INTERMEDIATE FORM F	ERROR	GMT (64 ED.) SURVEY D FORM 1 COMPREHENSION GRADE 6 — MAT EQUIV. INTERMEDIATE FORM F	ERROR
52	45.2	.09	44.5	.20	43.7	.17
51	44.7	.22	42.9	.43	42.2	.14
50	44.1	.21	41.5	.46	41.0	.13
49	43.5	.22	40.3	.36	39.7	.15
48	42.9	.20	39.3	.28	38.5	.16
47	42.4	.18	38.2	.26	37.3	.19
46	41.9	.22	37.0	.27	36.2	.19
45	41.3	.22	35.8	.29	35.0	.24
44	40.7	.22	34.6	.35	33.8	.27
43	40.1	.23	33.2	.27	32.7	.29
42	39.6	.24	31.9	.30	31.7	.36
41	39.0	.23	30.7	.42	30.5	.39
40	38.5	.22	29.6	.45	29.3	.39
39	37.9	.19	28.6	.48	28.2	.39
38	37.3	.21	27.5	.43	27.2	.36
37	36.6	.22	26.4	.42	26.1	.36
36	35.9	.26	25.5	.40	25.0	.40
35	35.0	.25	24.6	.34	24.2	.38
34	34.2	.30	23.9	.33	23.4	.39
33	33.3	.33	23.1	.28	22.6	.45
32	32.5	.37	22.4	.25	21.9	.50
31	31.7	.40	21.7	.24	21.2	.50
30	30.9	.41	21.1	.22	20.4	.61
29	30.1	.39	20.5	.25	19.6	.60
28	29.2	.38	19.9	.28	18.8	.54
27	28.2	.39	19.3	.31	18.0	.45
26	27.2	.38	18.6	.32	17.2	.45
25	26.2	.32	17.9	.33	16.6	.39
24	25.1	.31	17.2	.32	16.0	.35
23	24.1	.29	16.6	.33	15.4	.33
22	23.2	.24	15.9	.38	14.7	.35
21	22.3	.22	15.4	.41	14.2	.27
20	21.4	.17	14.8	.43	13.6	.24
19	20.5	.14	14.3	.47	13.0	.20
18	19.6	.15	13.7	.44	12.5	.22
17	18.6	.24	13.1	.41	11.9	.21
16	17.7	.24	12.5	.37	11.3	.24
15	16.7	.26	11.9	.38	10.7	.27
14	15.7	.31	11.4	.39	10.2	.30
13	14.7	.37	10.8	.41	9.7	.35
12	13.6	.40	10.3	.43	9.2	.41
11	12.5	.48	9.7	.42	8.5	.38

TABLE 2314. ANCHOR TEST EQUATING STUDY SUPPLEMENT

ESTIMATES OF ERROR IN EQUATING THE COMPREHENSION SUBTEST OF THE GMT (64 ED.) TO THE MAT (70 ED.) READING (COMPREHENSION) SUBTEST

PROCEDURE 1, EQUIPERCENTILE METHOD

RAW SCORE	GMT (64 ED.) SURVEY D FORM 1 COMPREHENSION GRADE 4		GMT (64 ED.) SURVEY D FORM 1 COMPREHENSION GRADE 5		GMT (64 ED.) SURVEY D FORM 1 COMPREHENSION GRADE 6	
	MAT EQUIV. ELEMENTARY FORM F	ERROR	MAT EQUIV. INTERMEDIATE FORM F	ERROR	MAT EQUIV. INTERMEDIATE FORM F	ERROR
10	11.4	.55	9.0	.42	7.7	.31
9	10.4	.58	8.3	.45	7.1	.29
8	9.3	.65	7.5	.46	6.5	.41
7	8.4	.61	6.7	.39	5.7	.55
6	7.6	.63	6.1	.27	4.9	.48
5	6.7	.82	5.1	.43	4.1	.72
4	5.8	1.04	3.5	.56	3.3	1.10
3	4.8	1.25	1.9	.86	2.5	1.43
2	3.3	1.34	0.3	1.17	1.7	1.40
1	1.8	1.21	0.0	.56	0.9	.84
0	0.3	.56	0.0	.04	0.1	.30

TABLE 2315. ANCHOR TEST EQUATING STUDY SUPPLEMENT

ESTIMATES OF ERROR IN EQUATING THE TOTAL READING TEST OF THE GMT (64 ED.) TO THE MAT (70 ED.) TOTAL READING TEST

PROCEDURE 1, EQUIPERCENTILE METHOD

RAW SCORE	GMT (64 ED.) SURVEY D FORM 1 TOTAL READING GRADE 4 — MAT EQUIV. ELEMENTARY FORM F	ERROR	GMT (64 ED.) SURVEY D FORM 1 TOTAL READING GRADE 5 — MAT EQUIV. INTERMEDIATE FORM F	ERROR	GMT (64 ED.) SURVEY D FORM 1 TOTAL READING GRADE 6 — MAT EQUIV. INTERMEDIATE FORM F	ERROR
102	95.4	.00	95.4	.25	95.0	.56
101	95.4	.00	95.4	.67	93.9	.39
100	95.4	.00	95.0	.91	92.8	.34
99	95.4	.04	93.9	.73	92.0	.34
98	95.4	.14	92.9	.70	91.2	.39
97	95.2	.22	91.8	.68	90.5	.38
96	94.7	.39	90.8	.68	89.7	.43
95	94.2	.43	89.8	.56	89.0	.50
94	93.7	.52	88.8	.44	88.0	.56
93	93.2	.58	87.9	.46	86.8	.54
92	92.7	.55	86.9	.48	85.6	.44
91	92.2	.49	85.9	.41	84.4	.36
90	91.8	.44	84.9	.30	83.3	.22
89	91.4	.38	83.7	.23	82.2	.22
88	91.0	.36	82.5	.21	81.2	.29
87	90.6	.35	81.3	.22	80.2	.37
86	90.2	.34	80.2	.24	79.1	.43
85	89.8	.30	79.0	.29	77.9	.42
84	89.4	.28	77.6	.28	76.6	.41
83	88.9	.26	76.3	.31	75.3	.31
82	88.4	.22	75.0	.39	73.9	.34
81	87.9	.20	73.7	.37	72.5	.43
80	87.3	.24	72.4	.38	71.4	.40
79	86.8	.27	71.0	.40	70.3	.46
78	86.3	.29	69.6	.43	69.1	.50
77	85.7	.31	68.1	.52	67.9	.49
76	85.1	.34	66.7	.58	66.7	.51
75	84.5	.34	65.3	.68	65.4	.45
74	83.9	.37	64.1	.73	64.1	.39
73	83.3	.36	62.9	.69	62.9	.34
72	82.7	.35	61.7	.58	61.7	.28
71	82.1	.31	60.4	.49	60.5	.37
70	81.4	.32	59.2	.35	59.2	.44
69	80.7	.30	58.0	.34	57.9	.51
68	80.1	.30	56.8	.39	56.5	.52
67	79.4	.31	55.7	.48	55.1	.52
66	78.6	.27	54.6	.55	54.0	.60
65	77.9	.33	53.6	.60	52.8	.61
64	77.0	.36	52.7	.63	51.7	.62
63	76.1	.42	51.8	.65	50.7	.71
62	75.1	.51	50.8	.64	49.7	.75
61	73.9	.55	49.9	.60	48.8	.88

TABLE 2315. ANCHOR TEST EQUATING STUDY SUPPLEMENT

ESTIMATES OF ERROR IN EQUATING THE TOTAL READING TEST OF THE GMT (64 ED.) TO THE MAT (70 ED.) TOTAL READING TEST

PROCEDURE 1, EQUIPERCENTILE METHOD

RAW SCORE	GMT (64 ED.) SURVEY D FORM 1 TOTAL READING GRADE 4 — MAT EQUIV. ELEMENTARY FORM F	ERROR	GMT (64 ED.) SURVEY D FORM 1 TOTAL READING GRADE 5 — MAT EQUIV. INTERMEDIATE FORM F	ERROR	GMT (64 ED.) SURVEY D FORM 1 TOTAL READING GRADE 6 — MAT EQUIV. INTERMEDIATE FORM F	ERROR
60	72.6	.50	49.0	.54	47.8	.93
59	71.5	.44	48.1	.49	46.7	.91
58	70.4	.40	47.2	.50	45.7	.93
57	69.4	.41	46.3	.57	44.6	.92
56	68.5	.47	45.5	.67	43.5	.84
55	67.5	.48	44.5	.71	42.5	.82
54	66.6	.54	43.6	.76	41.5	.76
53	65.4	.55	42.7	.68	40.5	.68
52	64.3	.54	41.7	.61	39.6	.66
51	63.2	.63	40.8	.61	38.6	.62
50	62.0	.67	39.8	.51	37.7	.58
49	60.7	.58	38.9	.49	36.8	.58
48	59.6	.43	38.0	.45	35.9	.60
47	58.6	.35	37.1	.43	34.9	.65
46	57.6	.25	36.2	.36	34.0	.67
45	56.6	.37	35.3	.35	33.2	.67
44	55.4	.44	34.3	.32	32.4	.71
43	54.2	.51	33.4	.38	31.7	.69
42	52.9	.59	32.4	.43	31.0	.67
41	51.5	.69	31.5	.51	30.3	.67
40	50.1	.75	30.7	.55	29.6	.69
39	48.6	.83	30.0	.57	28.9	.71
38	47.1	.91	29.3	.57	28.1	.75
37	45.6	.99	28.6	.57	27.4	.70
36	44.2	1.01	27.9	.56	26.7	.62
35	42.6	.94	27.3	.55	26.2	.52
34	41.2	.75	26.8	.52	25.6	.45
33	39.7	.66	26.3	.46	25.0	.48
32	38.2	.61	25.8	.43	24.4	.45
31	36.7	.65	25.3	.40	23.8	.41
30	35.3	.75	24.8	.41	23.1	.37
29	34.0	.83	24.3	.41	22.5	.42
28	32.8	.94	23.8	.45	21.8	.56
27	31.5	1.05	23.3	.48	21.1	.74
26	30.2	1.22	22.8	.68	20.4	.76
25	29.0	1.25	22.3	.89	19.7	.78
24	27.8	1.25	21.8	1.09	19.0	.81
23	26.6	1.20	21.3	1.10	18.2	.86
22	25.4	1.23	20.7	1.05	17.3	.82
21	24.3	1.15	20.0	1.04	16.4	.63
20	23.0	1.22	19.3	1.18	15.4	.56
19	21.8	1.26	18.2	1.16	14.3	.49

TABLE 2315. ANCHOR TEST EQUATING STUDY SUPPLEMENT

ESTIMATES OF ERROR IN EQUATING THE TOTAL READING TEST OF THE GMT (64 ED.) TO THE MAT (70 ED.) TOTAL READING TEST

PROCEDURE 1, EQUIPERCENTILE METHOD

RAW SCORE	GMT (64 ED.) SURVEY D FORM 1 TOTAL READING GRADE 4		GMT (64 ED.) SURVEY D FORM 1 TOTAL READING GRADE 5		GMT (64 ED.) SURVEY D FORM 1 TOTAL READING GRADE 6	
	MAT EQUIV. ELEMENTARY FORM F	ERROR	MAT EQUIV. INTERMEDIATE FORM F	ERROR	MAT EQUIV. INTERMEDIATE FORM F	ERROR
18	20.7	1.22	17.1	1.25	13.3	.53
17	19.7	1.17	16.3	1.58	12.2	.50
16	18.8	1.08	15.8	2.02	11.2	.55
15	17.9	.94	15.3	2.50	10.1	.60
14	17.0	.85	14.8	3.01	9.1	.70
13	15.9	.95	14.3	3.49	8.1	.81
12	14.5	.97	13.2	3.74	7.0	.86
11	13.3	.95	11.6	3.85	6.0	1.02
10	12.0	.92	10.0	3.99	4.9	1.06
9	10.8	1.36	8.4	3.50	3.9	1.20
8	9.6	1.99	6.8	2.93	2.9	1.33
7	8.3	2.57	5.1	2.41	1.8	1.39
6	7.1	3.31	3.5	2.09	0.8	.76
5	5.9	3.38	1.9	1.42	0.0	.07
4	4.7	3.38	0.3	.28	0.0	.00
3	3.4	2.91	0.0	.00	0.0	.00
2	2.2	2.05	0.0	.00	0.0	.00
1	1.0	1.00	0.0	.00	0.0	.00
0	0.0	.00	0.0	.00	0.0	.00

TABLE 2316. ANCHOR TEST EQUATING STUDY SUPPLEMENT

ESTIMATES OF ERROR IN EQUATING THE VOCABULARY SUBTEST OF THE GMT (64 ED.) TO THE MAT (70 ED.) WORD KNOWLEDGE SUBTEST

PROCEDURE 2, EQUIPERCENTILE METHOD

RAW SCORE	GMT (64 ED.) SURVEY D FORM 1 VOCABULARY GRADE 4 — MAT EQUIV. ELEMENTARY FORM F	ERROR	GMT (64 ED.) SURVEY D FORM 1 VOCABULARY GRADE 5 — MAT EQUIV. INTERMEDIATE FORM F	ERROR	GMT (64 ED.) SURVEY D FORM 1 VOCABULARY GRADE 6 — MAT EQUIV. INTERMEDIATE FORM F	ERROR
50	50.4	.00	50.4	.00	50.4	.08
49	50.4	.00	50.4	.09	50.1	.14
48	50.4	.00	50.1	.24	49.7	.17
47	50.3	.07	49.4	.12	49.1	.14
46	50.2	.07	48.7	.17	48.5	.14
45	50.1	.08	47.8	.29	47.8	.13
44	50.0	.07	46.9	.39	47.1	.09
43	49.9	.14	46.0	.41	46.3	.09
42	49.6	.16	45.1	.43	45.5	.13
41	49.3	.14	44.1	.37	44.5	.21
40	48.9	.15	43.0	.30	43.4	.38
39	48.4	.15	41.8	.32	42.2	.49
38	47.9	.17	40.6	.33	40.9	.56
37	47.4	.17	39.3	.29	39.5	.55
36	46.9	.18	37.9	.34	38.1	.53
35	46.3	.15	36.4	.32	36.5	.49
34	45.7	.18	34.7	.24	34.6	.53
33	45.1	.22	33.0	.17	32.9	.46
32	44.4	.20	31.3	.19	31.3	.43
31	43.6	.20	29.6	.27	29.7	.41
30	42.7	.25	28.0	.34	28.2	.48
29	41.6	.34	26.5	.40	26.7	.48
28	40.4	.44	25.0	.40	25.2	.48
27	39.1	.54	23.5	.42	23.9	.39
26	37.6	.64	22.2	.43	22.5	.29
25	36.2	.69	21.0	.40	21.2	.24
24	34.7	.76	19.9	.37	20.0	.22
23	33.3	.71	18.8	.36	18.9	.20
22	31.8	.57	17.9	.35	17.7	.37
21	30.2	.58	17.0	.34	17.0	.28
20	28.3	.59	16.2	.30	16.3	.25
19	26.3	.65	15.4	.28	15.6	.29
18	24.1	.69	14.6	.31	14.9	.34
17	22.1	.79	13.8	.29	14.2	.42
16	20.2	.91	12.9	.28	13.4	.41
15	18.5	.94	12.0	.40	12.7	.42
14	16.7	.84	11.2	.50	12.1	.40
13	15.3	.70	10.6	.62	11.4	.29
12	14.0	.64	10.0	.71	10.7	.25
11	12.6	.50	9.4	.79	10.1	.28
10	11.4	.45	8.7	.84	9.4	.30
9	10.2	.46	7.9	.84	8.8	.57

TABLE 2316. ANCHOR TEST EQUATING STUDY SUPPLEMENT

ESTIMATES OF ERROR IN EQUATING THE VOCABULARY SUBTEST OF THE GMT (64 ED.) TO THE MAT (70 ED.) WORD KNOWLEDGE SUBTEST

PROCEDURE 2, EQUIPERCENTILE METHOD

RAW SCORE	GMT (64 ED.) SURVEY D FORM 1 VOCABULARY GRADE 4 — MAT EQUIV. ELEMENTARY FORM F	ERROR	GMT (64 ED.) SURVEY D FORM 1 VOCABULARY GRADE 5 — MAT EQUIV. INTERMEDIATE FORM F	ERROR	GMT (64 ED.) SURVEY D FORM 1 VOCABULARY GRADE 6 — MAT EQUIV. INTERMEDIATE FORM F	ERROR
8	9.4	.53	6.9	.74	7.8	.71
7	8.7	.55	5.9	.80	6.7	.85
6	7.9	.57	5.4	1.40	5.6	1.05
5	7.2	.65	4.9	1.99	4.5	1.27
4	5.9	.72	4.4	2.60	3.4	1.50
3	3.8	.42	3.8	2.70	2.3	1.47
2	1.6	.74	3.3	2.36	1.2	1.07
1	0.0	.94	2.8	2.01	0.1	.90
0	0.0	.32	2.2	1.60	0.0	.55

TABLE 2317. ANCHOR TEST EQUATING STUDY SUPPLEMENT

ESTIMATES OF ERROR IN EQUATING THE COMPREHENSION SUBTEST OF THE GMT (64 ED.) TO THE MAT (70 ED.) READING (COMPREHENSION) SUBTEST

PROCEDURE 2, EQUIPERCENTILE METHOD

RAW SCORE	GMT (64 ED.) SURVEY D FORM 1 COMPREHENSION GRADE 4 — MAT EQUIV. ELEMENTARY FORM F	ERROR	GMT (64 ED.) SURVEY D FORM 1 COMPREHENSION GRADE 5 — MAT EQUIV. INTERMEDIATE FORM F	ERROR	GMT (64 ED.) SURVEY D FORM 1 COMPREHENSION GRADE 6 — MAT EQUIV. INTERMEDIATE FORM F	ERROR
52	45.2	.09	44.5	.26	43.9	.22
51	44.6	.22	42.8	.33	42.3	.27
50	44.0	.23	41.6	.27	41.0	.23
49	43.3	.15	40.3	.26	39.8	.25
48	42.7	.21	39.3	.24	38.5	.24
47	42.2	.26	38.1	.22	37.3	.29
46	41.6	.26	36.8	.27	35.1	.31
45	41.1	.26	35.5	.29	34.8	.32
44	40.6	.25	34.2	.28	33.6	.30
43	40.0	.20	32.9	.27	32.4	.31
42	39.5	.24	31.8	.26	31.0	.30
41	38.8	.16	30.7	.29	29.7	.34
40	38.2	.16	29.5	.35	28.5	.34
39	37.6	.20	28.3	.35	27.6	.30
38	36.9	.21	27.3	.30	26.6	.27
37	36.2	.22	26.3	.27	25.6	.25
36	35.5	.28	25.4	.23	24.6	.19
35	34.5	.33	24.5	.20	23.5	.21
34	33.5	.36	23.6	.24	22.5	.26
33	32.7	.40	22.7	.28	21.6	.33
32	31.8	.45	22.0	.35	20.9	.32
31	31.0	.44	21.4	.37	20.2	.36
30	30.2	.46	20.7	.34	19.5	.35
29	29.3	.46	20.0	.33	19.0	.32
28	28.4	.42	19.3	.29	18.4	.32
27	27.5	.37	18.6	.29	17.9	.29
26	26.6	.30	18.0	.32	17.3	.31
25	25.8	.28	17.4	.26	16.8	.26
24	24.9	.32	16.8	.24	16.3	.26
23	24.1	.36	16.3	.27	15.8	.25
22	23.2	.43	15.6	.24	15.2	.26
21	22.3	.53	15.0	.28	14.6	.29
20	21.3	.53	14.4	.27	14.0	.30
19	20.3	.58	13.9	.28	13.4	.25
18	19.3	.59	13.4	.33	12.9	.21
17	18.2	.66	12.8	.32	12.4	.18
16	17.2	.62	12.3	.34	11.9	.17
15	16.2	.59	11.7	.36	11.4	.18
14	15.2	.58	11.2	.36	10.9	.21
13	14.3	.53	10.6	.33	10.5	.25
12	13.3	.52	10.0	.33	9.9	.32
11	12.3	.52	9.4	.38	9.3	.38

TABLE 2317. ANCHOR TEST EQUATING STUDY SUPPLEMENT

ESTIMATES OF ERROR IN EQUATING THE COMPREHENSION SUBTEST OF THE GMT (64 ED.) TO THE MAT (70 ED.) READING (COMPREHENSION) SUBTEST

PROCEDURE 2, EQUIPERCENTILE METHOD

RAW SCORE	GMT (64 ED.) SURVEY D FORM 1 COMPREHENSION GRADE 4 — MAT EQUIV. ELEMENTARY FORM F	ERROR	GMT (64 ED.) SURVEY D FORM 1 COMPREHENSION GRADE 5 — MAT EQUIV. INTERMEDIATE FORM F	ERROR	GMT (64 ED.) SURVEY D FORM 1 COMPREHENSION GRADE 6 — MAT EQUIV. INTERMEDIATE FORM F	ERROR
10	11.3	.53	8.6	.34	8.7	.42
9	10.4	.50	7.8	.34	8.1	.47
8	9.5	.50	7.0	.37	7.5	.61
7	8.4	.52	6.0	.43	6.9	1.17
6	7.2	.61	5.1	.70	5.9	1.64
5	6.0	.78	4.3	1.21	4.9	2.11
4	4.3	.90	3.4	1.68	3.9	2.06
3	2.4	1.24	2.5	1.57	3.0	1.76
2	0.5	1.78	1.7	1.19	2.0	1.29
1	0.0	1.36	0.8	.57	1.0	.71
0	0.0	.81	0.0	.00	0.0	.04

TABLE 2318. ANCHOR TEST EQUATING STUDY SUPPLEMENT

ESTIMATES OF ERROR IN EQUATING THE TOTAL READING TEST OF THE GMT (64 ED.) TO THE MAT (70 ED.) TOTAL READING TEST

PROCEDURE 2, EQUIPERCENTILE METHOD

RAW SCORE	GMT (64 ED.) SURVEY D FORM 1 TOTAL READING GRADE 4 — MAT EQUIV. ELEMENTARY FORM F	ERROR	GMT (64 ED.) SURVEY D FORM 1 TOTAL READING GRADE 5 — MAT EQUIV. INTERMEDIATE FORM F	ERROR	GMT (64 ED.) SURVEY D FORM 1 TOTAL READING GRADE 6 — MAT EQUIV. INTERMEDIATE FORM F	ERROR
102	95.4	.00	94.9	.31	95.1	.12
101	95.4	.00	94.1	.73	94.2	.29
100	95.4	.00	93.4	.84	93.3	.30
99	95.3	.07	92.7	.78	92.4	.34
98	94.9	.36	92.0	.78	91.4	.37
97	94.6	.52	91.3	.80	90.5	.32
96	94.2	.61	90.5	.89	89.6	.24
95	93.8	.68	89.7	.99	88.8	.18
94	93.5	.61	88.8	1.05	87.9	.24
93	93.1	.44	87.7	1.05	87.0	.27
92	92.7	.29	86.5	.86	86.1	.32
91	92.3	.18	85.3	.67	85.2	.34
90	91.9	.15	84.2	.44	84.2	.41
89	91.5	.17	83.2	.35	83.1	.43
88	91.0	.15	82.1	.38	82.1	.41
87	90.5	.19	81.0	.36	81.1	.39
86	90.0	.20	79.9	.41	80.1	.42
85	89.6	.25	78.7	.45	78.9	.46
84	89.1	.37	77.6	.46	77.6	.47
83	88.6	.41	76.4	.49	76.2	.54
82	88.1	.41	75.3	.51	74.7	.59
81	87.6	.41	74.1	.47	73.2	.66
80	87.2	.35	72.8	.41	71.7	.73
79	86.7	.32	71.5	.39	70.3	.77
78	86.2	.31	69.9	.44	69.1	.82
77	85.7	.32	68.4	.43	67.8	.86
76	85.2	.34	67.0	.42	66.4	.85
75	84.7	.31	65.7	.44	64.9	.83
74	84.1	.30	64.5	.42	63.3	.78
73	83.5	.27	63.3	.41	62.0	.68
72	83.0	.22	62.2	.43	60.7	.66
71	82.4	.20	60.8	.41	59.4	.58
70	81.8	.24	59.4	.38	58.3	.52
69	81.2	.25	58.0	.38	57.2	.53
68	80.3	.27	56.5	.43	56.1	.45
67	79.4	.30	55.1	.45	54.9	.46
66	78.4	.39	53.9	.48	53.7	.55
65	77.3	.45	52.7	.52	52.6	.57
64	76.3	.50	51.7	.50	51.5	.57
63	75.4	.55	50.7	.53	50.4	.56
62	74.5	.50	49.7	.56	49.4	.57
61	73.6	.45	48.6	.63	48.4	.56

TABLE 2318. ANCHOR TEST EQUATING STUDY SUPPLEMENT

ESTIMATES OF ERROR IN EQUATING THE TOTAL READING TEST OF THE GMT (64 ED.) TO THE MAT (70 ED.) TOTAL READING TEST

PROCEDURE 2, EQUIPERCENTILE METHOD

RAW SCORE	GMT (64 ED.) SURVEY D FORM 1 TOTAL READING GRADE 4		GMT (64 ED.) SURVEY D FORM 1 TOTAL READING GRADE 5		GMT (64 ED.) SURVEY D FORM 1 TOTAL READING GRADE 6	
	MAT EQUIV. ELEMENTARY FORM F	ERROR	MAT EQUIV. INTERMEDIATE FORM F	ERROR	MAT EQUIV. INTERMEDIATE FORM F	ERROR
60	72.7	.43	47.5	.57	47.5	.56
59	71.7	.43	46.5	.48	46.5	.62
58	70.8	.46	45.6	.44	45.5	.70
57	69.8	.48	44.7	.43	44.5	.77
56	68.9	.53	43.9	.43	43.5	.80
55	68.0	.63	43.0	.43	42.5	.82
54	66.9	.73	42.2	.44	41.5	.77
53	65.8	.77	41.4	.44	40.7	.66
52	64.6	.79	40.5	.43	39.8	.60
51	63.4	.77	39.6	.45	39.0	.58
50	62.1	.73	38.7	.55	38.2	.59
49	60.9	.69	37.8	.62	37.3	.61
48	59.6	.71	36.8	.71	36.5	.64
47	58.3	.73	36.1	.66	35.7	.68
46	57.1	.78	35.3	.58	35.0	.66
45	55.8	.74	34.5	.53	34.2	.60
44	54.6	.71	33.7	.51	33.4	.57
43	53.3	.70	33.0	.44	32.7	.49
42	52.1	.66	32.3	.43	32.0	.41
41	50.8	.64	31.7	.41	31.4	.34
40	49.6	.65	31.0	.40	30.8	.30
39	48.3	.61	30.4	.41	30.3	.26
38	47.0	.55	29.7	.38	29.7	.22
37	45.7	.48	29.0	.39	29.1	.23
36	44.3	.50	28.4	.35	28.6	.24
35	42.7	.62	27.7	.37	28.0	.23
34	41.0	.78	27.1	.36	27.4	.23
33	39.6	.89	26.5	.37	26.9	.25
32	38.3	1.00	26.0	.41	26.2	.27
31	37.0	1.09	25.4	.43	25.6	.33
30	35.7	1.20	24.9	.49	25.1	.37
29	34.1	1.17	24.3	.52	24.7	.40
28	32.5	1.13	23.7	.58	24.2	.44
27	30.8	1.15	23.1	.64	23.7	.51
26	29.3	1.16	22.3	.66	23.3	.54
25	28.3	1.06	21.6	.72	22.8	.57
24	27.3	.99	20.8	.72	22.2	.69
23	26.4	.91	20.0	.79	21.5	.79
22	25.4	.88	19.3	.90	20.8	.87
21	24.4	.84	18.6	1.14	20.0	1.00
20	23.2	.82	17.9	1.62	18.9	1.05
19	22.2	.85	17.2	1.79	17.7	1.04

TABLE 2318. ANCHOR TEST EQUATING STUDY SUPPLEMENT

ESTIMATES OF ERROR IN EQUATING THE TOTAL READING TEST OF THE GMT (64 ED.) TO THE MAT (70 ED.) TOTAL READING TEST

PROCEDURE 2, EQUIPERCENTILE METHOD

RAW SCORE	GMT (64 ED.) SURVEY D FORM 1 TOTAL READING GRADE 4		GMT (64 ED.) SURVEY D FORM 1 TOTAL READING GRADE 5		GMT (64 ED.) SURVEY D FORM 1 TOTAL READING GRADE 6	
	MAT EQUIV. ELEMENTARY FORM F	ERROR	MAT EQUIV. INTERMEDIATE FORM F	ERROR	MAT EQUIV. INTERMEDIATE FORM F	ERROR
18	21.2	.86	16.5	1.82	17.0	.95
17	20.1	.84	15.7	1.73	16.3	1.06
16	19.1	.89	14.9	1.72	15.7	1.35
15	18.0	1.03	13.9	1.56	15.0	1.67
14	16.4	1.42	12.9	1.41	14.4	2.12
13	14.5	1.64	11.9	1.21	13.7	2.47
12	12.7	1.86	10.9	1.05	13.1	2.91
11	10.9	2.07	10.0	.97	12.4	3.33
10	9.1	2.42	9.0	.84	11.7	3.73
9	7.2	2.70	8.0	.77	11.1	4.17
8	5.4	2.75	7.0	.73	10.4	4.60
7	3.6	2.33	6.0	.81	9.8	5.03
6	1.8	1.32	5.0	.91	9.1	5.42
5	0.0	.18	4.0	1.06	8.5	5.56
4	0.0	.00	3.0	1.22	7.8	5.44
3	0.0	.00	2.0	1.29	7.2	5.19
2	0.0	.00	1.0	1.09	6.5	4.73
1	0.0	.00	0.1	1.01	5.9	4.34
0	0.0	.00	0.0	.68	5.2	3.89

TABLE 2319. ANCHOR TEST EQUATING STUDY SUPPLEMENT

ESTIMATES OF ERROR IN EQUATING THE VOCABULARY SUBTEST OF THE GMT (64 ED.) TO THE MAT (70 ED.) WORD KNOWLEDGE SUBTEST

AVERAGE OF PROCEDURES 1 AND 2, EQUIPERCENTILE METHOD

RAW SCORE	GMT (64 ED.) SURVEY D FORM 1 VOCABULARY GRADE 4 — MAT EQUIV. ELEMENTARY FORM F	ERROR	GMT (64 ED.) SURVEY D FORM 1 VOCABULARY GRADE 5 — MAT EQUIV. INTERMEDIATE FORM F	ERROR	GMT (64 ED.) SURVEY D FORM 1 VOCABULARY GRADE 6 — MAT EQUIV. INTERMEDIATE FORM F	ERROR
50	50.4	.00	50.4	.00	50.4	.04
49	50.4	.00	50.4	.10	50.1	.08
48	50.4	.00	50.0	.15	49.7	.12
47	50.4	.06	49.4	.08	49.1	.13
46	50.3	.09	48.7	.13	48.4	.15
45	50.2	.10	47.8	.21	47.8	.17
44	50.0	.09	46.9	.27	47.0	.13
43	49.9	.14	46.0	.29	46.1	.13
42	49.6	.14	45.1	.31	45.2	.19
41	49.3	.09	44.1	.31	44.1	.18
40	48.9	.09	42.9	.29	43.0	.20
39	48.4	.08	41.6	.25	41.8	.26
38	47.9	.09	40.3	.25	40.5	.32
37	47.4	.09	38.9	.20	39.2	.33
36	46.9	.11	37.5	.18	37.7	.31
35	46.3	.11	36.0	.16	36.2	.29
34	45.7	.13	34.5	.13	34.4	.30
33	45.1	.14	33.0	.18	32.8	.29
32	44.3	.15	31.4	.20	31.2	.29
31	43.4	.14	29.8	.24	29.7	.29
30	42.5	.19	28.2	.27	28.2	.29
29	41.4	.26	26.7	.30	26.7	.31
28	40.2	.33	25.1	.32	25.1	.34
27	39.0	.39	23.7	.29	23.6	.32
26	37.5	.44	22.4	.26	22.2	.35
25	36.1	.34	21.2	.22	20.9	.30
24	34.6	.23	20.1	.28	19.7	.29
23	33.1	.19	19.0	.29	18.6	.27
22	31.5	.27	18.1	.33	17.5	.28
21	29.8	.44	17.1	.25	16.8	.25
20	27.8	.56	16.2	.20	16.0	.23
19	25.7	.62	15.4	.19	15.3	.27
18	23.5	.68	14.6	.22	14.6	.31
17	21.6	.76	13.8	.21	13.8	.33
16	19.8	.81	13.0	.24	13.1	.31
15	18.2	.72	12.2	.31	12.3	.32
14	16.6	.59	11.5	.38	11.5	.36
13	15.3	.50	10.9	.48	10.6	.32
12	14.1	.45	10.3	.54	9.7	.34
11	12.9	.38	9.6	.60	9.0	.49
10	11.7	.37	8.9	.72	8.1	.44
9	10.4	.46	8.1	.76	7.2	.50

TABLE 2319. ANCHOR TEST EQUATING STUDY SUPPLEMENT

ESTIMATES OF ERROR IN EQUATING THE VOCABULARY SUBTEST OF THE GMT (64 ED.) TO THE MAT (70 ED.) WORD KNOWLEDGE SUBTEST

AVERAGE OF PROCEDURES 1 AND 2, EQUIPERCENTILE METHOD

RAW SCORE	GMT (64 ED.) SURVEY D FORM 1 VOCABULARY GRADE 4 — MAT EQUIV. ELEMENTARY FORM F	ERROR	GMT (64 ED.) SURVEY D FORM 1 VOCABULARY GRADE 5 — MAT EQUIV. INTERMEDIATE FORM F	ERROR	GMT (64 ED.) SURVEY D FORM 1 VOCABULARY GRADE 6 — MAT EQUIV. INTERMEDIATE FORM F	ERROR
8	9.3	.48	7.1	.65	6.2	.54
7	8.3	.42	6.2	.60	5.1	.57
6	7.4	.41	5.6	.95	4.0	.63
5	6.6	.35	4.8	1.24	2.9	.75
4	5.4	.37	4.1	1.64	1.8	.88
3	3.7	.36	3.3	1.70	1.2	.73
2	2.0	.58	2.6	1.41	0.6	.54
1	0.7	.57	1.9	1.15	0.1	.46
0	0.1	.28	1.1	.73	0.0	.30

TABLE 2320. ANCHOR TEST EQUATING STUDY SUPPLEMENT

ESTIMATES OF ERROR IN EQUATING THE COMPREHENSION SUBTEST OF THE GMT (64 ED.) TO THE MAT (70 ED.) READING (COMPREHENSION) SUBTEST

AVERAGE OF PROCEDURES 1 AND 2, EQUIPERCENTILE METHOD

RAW SCORE	GMT (64 ED.) SURVEY D FORM 1 COMPREHENSION GRADE 4		GMT (64 ED.) SURVEY D FORM 1 COMPREHENSION GRADE 5		GMT (64 ED.) SURVEY D FORM 1 COMPREHENSION GRADE 6	
	MAT EQUIV. ELEMENTARY FORM F	ERROR	MAT EQUIV. INTERMEDIATE FORM F	ERROR	MAT EQUIV. INTERMEDIATE FORM F	ERROR
52	45.2	.06	44.5	.19	43.8	.17
51	44.7	.10	42.9	.31	42.3	.15
50	44.1	.12	41.6	.27	41.0	.14
49	43.4	.12	40.3	.26	39.8	.19
48	42.8	.14	39.3	.21	38.5	.17
47	42.3	.16	38.2	.22	37.3	.21
46	41.8	.21	36.9	.23	36.2	.25
45	41.2	.20	35.7	.25	34.9	.27
44	40.7	.22	34.4	.28	33.7	.27
43	40.1	.18	33.1	.25	32.6	.28
42	39.6	.22	31.9	.25	31.4	.30
41	38.9	.18	30.7	.31	30.1	.34
40	38.4	.19	29.6	.33	28.9	.32
39	37.8	.20	28.5	.33	27.9	.28
38	37.1	.16	27.4	.28	26.9	.23
37	36.4	.16	26.4	.28	25.9	.18
36	35.7	.23	25.5	.27	24.8	.23
35	34.8	.25	24.6	.24	23.9	.24
34	33.9	.30	23.8	.29	23.0	.27
33	33.0	.34	22.9	.27	22.1	.34
32	32.2	.37	22.2	.27	21.4	.32
31	31.4	.39	21.6	.27	20.7	.39
30	30.6	.38	20.9	.25	20.0	.41
29	29.7	.35	20.3	.27	19.3	.36
28	28.8	.32	19.6	.26	18.6	.36
27	27.9	.31	19.0	.28	18.0	.31
26	26.9	.30	18.3	.24	17.3	.32
25	26.0	.27	17.7	.22	16.7	.28
24	25.0	.28	17.0	.23	16.2	.26
23	24.1	.28	16.5	.24	15.6	.24
22	23.2	.29	15.8	.24	15.0	.26
21	22.3	.33	15.2	.26	14.4	.23
20	21.4	.30	14.6	.28	13.8	.22
19	20.4	.31	14.1	.31	13.2	.19
18	19.5	.32	13.6	.35	12.7	.14
17	18.4	.41	13.0	.32	12.2	.15
16	17.5	.37	12.4	.31	11.6	.12
15	16.5	.36	11.8	.31	11.1	.14
14	15.5	.34	11.3	.32	10.6	.18
13	14.5	.39	10.7	.29	10.1	.22
12	13.5	.38	10.2	.29	9.6	.30
11	12.4	.45	9.6	.29	8.9	.27

TABLE 2320. ANCHOR TEST EQUATING STUDY SUPPLEMENT

ESTIMATES OF ERROR IN EQUATING THE COMPREHENSION SUBTEST OF THE GMT (64 ED.) TO THE MAT (70 ED.) READING (COMPREHENSION) SUBTEST

AVERAGE OF PROCEDURES 1 AND 2, EQUIPERCENTILE METHOD

RAW SCORE	GMT (64 ED.) SURVEY D FORM 1 COMPREHENSION GRADE 4		GMT (64 ED.) SURVEY D FORM 1 COMPREHENSION GRADE 5		GMT (64 ED.) SURVEY D FORM 1 COMPREHENSION GRADE 6	
	MAT EQUIV. ELEMENTARY FORM F	ERROR	MAT EQUIV. INTERMEDIATE FORM F	ERROR	MAT EQUIV. INTERMEDIATE FORM F	ERROR
10	11.4	.46	8.8	.26	8.2	.27
9	10.4	.48	8.1	.30	7.6	.26
8	9.4	.49	7.3	.36	7.0	.36
7	8.4	.45	6.4	.38	6.3	.64
6	7.4	.48	5.6	.44	5.4	.87
5	6.4	.55	4.7	.75	4.5	1.17
4	5.1	.63	3.5	.94	3.6	1.29
3	3.6	.68	2.2	.90	2.8	1.32
2	1.9	.83	1.0	.79	1.9	1.13
1	0.9	.59	0.4	.41	1.0	.67
0	0.2	.43	0.0	.04	0.1	.17

TABLE 2321. ANCHOR TEST EQUATING STUDY SUPPLEMENT

ESTIMATES OF ERROR IN EQUATING THE TOTAL READING TEST OF THE GMT (64 ED.) TO THE MAT (70 ED.) TOTAL READING TEST

AVERAGE OF PROCEDURES 1 AND 2, EQUIPERCENTILE METHOD

RAW SCORE	GMT (64 ED.) SURVEY D FORM 1 TOTAL READING GRADE 4 — MAT EQUIV. ELEMENTARY FORM F	ERROR	GMT (64 ED.) SURVEY D FORM 1 TOTAL READING GRADE 5 — MAT EQUIV. INTERMEDIATE FORM F	ERROR	GMT (64 ED.) SURVEY D FORM 1 TOTAL READING GRADE 6 — MAT EQUIV. INTERMEDIATE FORM F	ERROR
102	95.4	.00	95.2	.20	95.1	.30
101	95.4	.00	94.8	.49	94.1	.24
100	95.4	.00	94.2	.62	93.1	.25
99	95.4	.04	93.3	.62	92.2	.26
98	95.2	.16	92.5	.65	91.3	.33
97	94.9	.32	91.6	.66	90.5	.29
96	94.5	.37	90.7	.70	89.7	.30
95	94.0	.40	89.8	.62	88.9	.31
94	93.6	.35	88.8	.66	88.0	.34
93	93.2	.30	87.8	.69	86.9	.37
92	92.7	.29	86.7	.63	85.9	.32
91	92.3	.27	85.6	.51	84.8	.31
90	91.9	.24	84.6	.32	83.8	.29
89	91.5	.19	83.5	.23	82.7	.26
88	91.0	.24	82.3	.26	81.7	.29
87	90.6	.25	81.2	.27	80.7	.29
86	90.1	.25	80.1	.28	79.6	.32
85	89.7	.23	78.9	.32	78.4	.34
84	89.3	.25	77.6	.35	77.1	.33
83	88.8	.25	76.4	.37	75.8	.36
82	88.3	.26	75.2	.42	74.3	.40
81	87.8	.26	73.9	.36	72.9	.44
80	87.3	.24	72.6	.28	71.6	.49
79	86.8	.22	71.3	.29	70.3	.55
78	86.3	.26	69.8	.32	69.1	.61
77	85.7	.27	68.3	.36	67.9	.61
76	85.2	.26	66.9	.38	66.6	.60
75	84.6	.24	65.5	.45	65.2	.56
74	84.0	.27	64.3	.45	63.7	.48
73	83.4	.27	63.1	.45	62.5	.40
72	82.9	.21	62.0	.41	61.2	.31
71	82.3	.19	60.6	.33	60.6	.25
70	81.6	.20	59.3	.31	58.8	.24
69	81.0	.15	58.0	.28	57.6	.26
68	80.2	.20	56.7	.36	56.3	.21
67	79.4	.20	55.4	.43	55.0	.26
66	78.5	.24	54.3	.51	53.9	.38
65	77.6	.26	53.2	.54	52.7	.43
64	76.7	.28	52.2	.55	51.6	.44
63	75.8	.32	51.3	.56	50.6	.49
62	74.8	.31	50.3	.56	49.6	.55
61	73.8	.29	49.3	.56	48.6	.58

TABLE 2321. ANCHOR TEST EQUATING STUDY SUPPLEMENT

ESTIMATES OF ERROR IN EQUATING THE TOTAL READING TEST OF THE GMT (64 ED.) TO THE MAT (70 ED.) TOTAL READING TEST

AVERAGE OF PROCEDURES 1 AND 2, EQUIPERCENTILE METHOD

RAW SCORE	GMT (64 ED.) SURVEY D FORM 1 TOTAL READING GRADE 4 — MAT EQUIV. ELEMENTARY FORM F	ERROR	GMT (64 ED.) SURVEY D FORM 1 TOTAL READING GRADE 5 — MAT EQUIV. INTERMEDIATE FORM F	ERROR	GMT (64 ED.) SURVEY D FORM 1 TOTAL READING GRADE 6 — MAT EQUIV. INTERMEDIATE FORM F	ERROR
60	72.7	.27	48.3	.50	47.7	.66
59	71.6	.26	47.3	.43	46.6	.66
58	70.6	.27	46.4	.39	45.6	.70
57	69.6	.27	45.5	.38	44.6	.72
56	68.7	.29	44.7	.41	43.5	.69
55	67.8	.35	43.8	.36	42.5	.70
54	66.8	.38	42.9	.38	41.5	.64
53	65.6	.34	42.1	.39	40.7	.58
52	64.5	.37	41.1	.36	39.7	.57
51	63.3	.34	40.2	.39	38.8	.55
50	62.1	.33	39.3	.39	38.0	.52
49	60.8	.26	38.4	.37	37.1	.51
48	59.6	.28	37.4	.40	36.2	.55
47	58.5	.32	36.6	.40	35.3	.61
46	57.4	.40	35.8	.39	34.5	.61
45	56.2	.38	34.9	.35	33.7	.61
44	55.0	.41	34.0	.34	32.9	.60
43	53.8	.44	33.2	.34	32.2	.53
42	52.5	.44	32.4	.35	31.5	.46
41	51.2	.52	31.6	.38	30.9	.39
40	49.9	.57	30.9	.37	30.2	.39
39	48.5	.57	30.2	.36	29.6	.35
38	47.1	.57	29.5	.37	28.9	.37
37	45.7	.55	28.8	.39	28.3	.35
36	44.3	.49	28.2	.36	27.7	.27
35	42.7	.45	27.5	.37	27.1	.24
34	41.1	.43	27.0	.38	26.5	.21
33	39.7	.44	26.4	.39	26.0	.17
32	38.3	.50	25.9	.42	25.3	.24
31	36.9	.59	25.4	.42	24.7	.22
30	35.5	.72	24.9	.44	24.1	.24
29	34.1	.80	24.3	.44	23.6	.23
28	32.7	.85	23.8	.47	23.0	.25
27	31.2	.90	23.2	.48	22.4	.27
26	29.8	1.02	22.6	.57	21.9	.26
25	28.7	1.00	22.0	.70	21.3	.25
24	27.6	.94	21.3	.77	20.6	.28
23	26.5	.85	20.7	.90	19.9	.32
22	25.4	.82	20.0	.88	19.1	.33
21	24.4	.75	19.3	1.01	18.2	.36
20	23.1	.86	18.6	1.29	17.2	.39
19	22.0	.92	17.7	1.31	16.0	.41

TABLE 2321. ANCHOR TEST EQUATING STUDY SUPPLEMENT

ESTIMATES OF ERROR IN EQUATING THE TOTAL READING TEST OF THE GMT (64 ED.) TO THE MAT (70 ED.) TOTAL READING TEST

AVERAGE OF PROCEDURES 1 AND 2, EQUIPERCENTILE METHOD

RAW SCORE	GMT (64 ED.) SURVEY D FORM 1 TOTAL READING GRADE 4 — MAT EQUIV. ELEMENTARY FORM F	ERROR	GMT (64 ED.) SURVEY D FORM 1 TOTAL READING GRADE 5 — MAT EQUIV. INTERMEDIATE FORM F	ERROR	GMT (64 ED.) SURVEY D FORM 1 TOTAL READING GRADE 6 — MAT EQUIV. INTERMEDIATE FORM F	ERROR
18	21.0	.88	16.8	1.32	15.2	.45
17	19.9	.89	16.0	1.36	14.3	.58
16	19.0	.85	15.4	1.52	13.5	.79
15	18.0	.80	14.6	1.64	12.6	1.02
14	16.7	.87	13.9	1.82	11.8	1.32
13	15.2	.94	13.1	1.96	10.9	1.49
12	13.6	1.04	12.1	2.06	10.1	1.79
11	12.1	1.22	10.8	2.06	9.2	2.03
10	10.6	1.51	9.5	2.13	8.3	2.24
9	9.0	1.80	8.2	1.88	7.5	2.52
8	7.5	2.07	6.9	1.62	6.7	2.81
7	6.0	2.19	5.6	1.45	5.8	3.05
6	4.5	2.13	4.3	1.34	5.0	3.02
5	3.0	1.70	3.0	1.05	4.3	2.81
4	2.4	1.72	1.7	.72	3.9	2.72
3	1.7	1.44	1.0	.64	3.6	2.60
2	1.1	1.02	0.5	.54	3.3	2.40
1	0.5	.50	0.1	.49	3.0	2.20
0	0.0	.00	0.0	.35	2.6	1.95

LIST OF TABLES OF CORRELATIONS

Grades 4, 5, and 6

Table Numbers

Observed Correlations..... 2322

Averaged Correlations..... 2323

Correlations Corrected for Attenuation..... 2324

Averaged Correlations Corrected for Attenuation..... 2325

TABLE 2322. ANCHOR TEST STUDY SUPPLEMENT

Observed Correlations for the Three Reading Scores
Grades 4, 5, and 6

Test Administered Second

Test Administered First

Vocabulary Subtests

Grade 4

	MAT	GMT
MAT	.8845 / .8760	.8488
GMT	.8390	.8672 / .8150

Grade 5

	MAT	GMT
MAT	.8585 / .8920	.8591
GMT	.8670	.8374 / .8567

Grade 6

	MAT	GMT
MAT	.8883 / .8864	.8756
GMT	.8806	.8451 / .8640

Comprehension Subtests

Grade 4

	MAT	GMT
MAT	.8628 / .8592	.8594
GMT	.8716	.9231 / .8978

Grade 5

	MAT	GMT
MAT	.8532 / .8756	.8495
GMT	.8471	.8944 / .8871

Grade 6

	MAT	GMT
MAT	.8688 / .8603	.8649
GMT	.8529	.8757 / .8647

Total Reading Tests

Grade 4

	MAT	GMT
MAT	.9225 / .9190	.9045
GMT	.9172	.9439 / .9227

Grade 5

	MAT	GMT
MAT	.9155 / .9335	.9098
GMT	.9150	.9160 / .9200

Grade 6

	MAT	GMT
MAT	.9335 / .9219	.9198
GMT	.9201	.9208 / .9206

TABLE 2323. ANCHOR TEST STUDY SUPPLEMENT

Observed Correlations for the Three Reading Scores
Averaged* over Orders of Administration
Grades 4, 5, and 6

Test Administered Second

Test Administered First

Vocabulary Subtests

	Grade 4		Grade 5		Grade 6	
	MAT	GMT	MAT	GMT	MAT	GMT
MAT	.8804	.8441	.8763	.8630	.8874	.8787
GMT		.8426		.8469		.8552

Comprehension Subtests

	Grade 4		Grade 5		Grade 6	
	MAT	GMT	MAT	GMT	MAT	GMT
MAT	.8610	.8656	.8648	.8483	.8646	.8591
GMT		.9113		.8907		.8705

Total Reading Tests

	Grade 4		Grade 5		Grade 6	
	MAT	GMT	MAT	GMT	MAT	GMT
MAT	.9208	.9113	.9250	.9130	.9279	.9201
GMT		.9341		.9178		.9206

* Using Fisher's z transformation

TABLE 2324. ANCHOR TEST STUDY SUPPLEMENT

Correlations for the Three Reading Scores Corrected for Attenuation
Grades 4, 5, and 6

Test Administered Second

Vocabulary Subtests

Test Administered First

Grade 4

	MAT	GMT
MAT		.9855
GMT	.9741	

Grade 5

	MAT	GMT
MAT		.9972
GMT	1.0000	

Grade 6

	MAT	GMT
MAT		1.0000
GMT	1.0000	

Comprehension Subtests

Grade 4

	MAT	GMT
MAT		.9702
GMT	.9840	

Grade 5

	MAT	GMT
MAT		.9680
GMT	.9652	

Grade 6

	MAT	GMT
MAT		.9970
GMT	.9832	

Total Reading Tests

Grade 4

	MAT	GMT
MAT		.9753
GMT	.9890	

Grade 5

	MAT	GMT
MAT		.9874
GMT	.9931	

Grade 6

	MAT	GMT
MAT		.9952
GMT	.9956	

TABLE 2325. ANCHOR TEST STUDY SUPPLEMENT

Averaged Correlations for the Three Reading Scores
Corrected for Attenuation
Grades 4, 5, and 6

Test Administered Second

Test Administered First

Vocabulary Subtests

Grade 4

	MAT	GMT
MAT		.9800
GMT		

Grade 5

	MAT	GMT
MAT		1.0000
GMT		

Grade 6

	MAT	GMT
MAT		1.0000
GMT		

Comprehension Subtests

Grade 4

	MAT	GMT
MAT		.9772
GMT		

Grade 5

	MAT	GMT
MAT		.9666
GMT		

Grade 6

	MAT	GMT
MAT		.9903
GMT		

Total Reading Tests

Grade 4

	MAT	GMT
MAT		.9826
GMT		

Grade 5

	MAT	GMT
MAT		.9909
GMT		

Grade 6

	MAT	GMT
MAT		.9956
GMT		

LIST OF CONDITIONAL ERROR TABLES AT GRADES 4, 5, AND 6

(Average of Procedures 1 and 2, Equipercentile Method)

Test	Table Number
MAT, Word Knowledge	2326
MAT, Reading (Comprehension)	2327
MAT, Total Reading	2328

TABLE 2326. ANCHOR TEST EQUATING STUDY SUPPLEMENT: GRADES 4, 5, AND 6

EQUIVALENT RAW SCORES AND CONDITIONAL ERRORS OF EQUATING

MAT READING (70 ED.), WORD KNOWLEDGE EQUATED TO GMT READING (64 ED.) VOCABULARY

AVERAGE OF PROCEDURES 1 AND 2, EQUIPERCENTILE METHOD

GRADE 4			GRADE 5			GRADE 6		
MAT RAW SCORE ELEMENTARY FORM F	GMT EQUIV. SCORE SURVEY D FORM 1	ERROR	MAT RAW SCORE INTERMEDIATE FORM F	GMT EQUIV. SCORE SURVEY D FORM 1	ERROR	MAT RAW SCORE INTERMEDIATE FORM F	GMT EQUIV. SCORE SURVEY D FORM 1	ERROR
50	43.6	6.71	50	48.2	3.53	50	48.7	3.45
49	40.3	5.09	49	46.4	4.65	49	46.9	3.24
48	38.2	4.98	48	45.3	4.25	48	45.5	3.53
47	36.3	4.71	47	44.2	2.96	47	44.1	3.55
46	34.5	4.31	46	43.0	3.27	46	42.9	3.43
45	33.0	4.17	45	41.9	3.59	45	41.8	3.27
44	31.7	3.93	44	41.0	3.42	44	40.9	3.49
43	30.6	4.16	43	40.1	4.92	43	40.0	3.39
42	29.6	4.20	42	39.3	3.06	42	39.2	3.16
41	28.7	4.12	41	38.6	3.26	41	38.4	3.44
40	27.9	4.23	40	37.9	3.10	40	37.7	3.13
39	27.1	4.30	39	37.1	4.02	39	36.9	3.46
38	26.4	4.03	38	36.4	3.46	38	36.2	3.48
37	25.7	4.43	37	35.7	2.79	37	35.6	3.29
36	25.0	4.31	36	35.1	3.25	36	34.9	3.19
35	24.3	4.15	35	34.4	3.64	35	34.4	3.20
34	23.6	4.96	34	33.7	3.39	34	33.8	3.92
33	22.9	4.54	33	33.1	3.41	33	33.2	3.61
32	22.3	4.08	32	32.4	3.41	32	32.6	3.35
31	21.7	4.84	31	31.8	3.28	31	31.9	3.52
30	21.2	4.52	30	31.2	4.33	30	31.2	4.57
29	20.6	5.18	29	30.5	3.39	29	30.5	3.54
28	20.1	4.93	28	29.9	3.78	28	29.9	3.82
27	19.6	5.31	27	29.3	3.98	27	29.3	3.56
26	19.2	4.09	26	28.6	4.16	26	28.6	4.06
25	18.7	4.99	25	27.9	4.01	25	28.0	3.61
24	18.3	4.41	24	27.2	4.41	24	27.3	4.14
23	17.8	4.13	23	26.5	4.26	23	26.6	5.13
22	17.3	4.67	22	25.7	4.70	22	25.9	4.30
21	16.7	4.29	21	24.9	4.26	21	25.1	5.19
20	16.2	5.12	20	23.9	5.26	20	24.3	4.53
19	15.6	4.42	19	23.0	5.00	19	23.4	4.62
18	14.9	5.55	18	22.0	4.81	18	22.5	5.62
17	14.3	3.94	17	21.0	5.32	17	21.3	4.86
16	13.6	4.49	16	19.8	5.11	16	20.0	5.43
15	12.8	3.44	15	18.6	5.28	15	18.6	4.92
14	11.9	4.73	14	17.3	5.56	14	17.3	4.28
13	11.1	4.69	13	16.0	5.87	13	15.9	4.87
12	10.3	4.71	12	14.7	7.44	12	14.5	8.08
11	9.5	4.64	11	13.4	6.94	11	13.3	5.64
10	8.7	4.03	10	11.7	5.25	10	12.1	4.97

TABLE 2326. ANCHOR TEST EQUATING STUDY SUPPLEMENT: GRADES 4, 5, AND 6

EQUIVALENT RAW SCORES AND CONDITIONAL ERRORS OF EQUATING

MAT READING (70 ED.), WORD KNOWLEDGE EQUATED TO GMT READING (64 ED.) VOCABULARY

AVERAGE OF PROCEDURES 1 AND 2, EQUIPERCENTILE METHOD

GRADE 4			GRADE 5			GRADE 6		
MAT RAW SCORE ELEMENTARY FORM F	GMT EQUIV. SCORE SURVEY D FORM 1	ERROR	MAT RAW SCORE INTERMEDIATE FORM F	GMT EQUIV. SCORE SURVEY D FORM 1	ERROR	MAT RAW SCORE INTERMEDIATE FORM F	GMT EQUIV. SCORE SURVEY D FORM 1	ERROR
9	7.7	7.28	9	10.2	7.30	9	10.8	7.67
8	6.6	6.89	8	9.0	6.52	8	9.7	4.38
7	5.4	6.18	7	7.9	4.92	7	8.8	4.30
6	4.5	7.73	6	6.8	7.64	6	7.9	6.33
5	3.9	7.63	5	5.3	6.80	5	7.0	6.28
4	3.2	9.36	4	3.8	10.57	4	6.1	3.72
3	2.6	4.14	3	2.3	6.21	3	5.2	5.29
2	1.9	8.10	2	1.1	9.04	2	4.3	
1	1.3		1	.6	10.22	1	3.4	
0	.7		0	.0		0	2.5	
AVERAGE ERROR		4.52	AVERAGE ERROR		4.30	AVERAGE ERROR		3.86

TABLE 2327. ANCHOR TEST EQUATING STUDY SUPPLEMENT: GRADES 4, 5, AND 6

EQUIVALENT RAW SCORES AND CONDITIONAL ERRORS OF EQUATING

MAT READING (70 ED.), READING (COMPR.) EQUATED TO GMT READING (64 ED.) COMPREHENSION

AVERAGE OF PROCEDURES 1 AND 2, EQUIPERCENTILE METHOD

GRADE 4			GRADE 5			GRADE 6		
MAT RAW SCORE ELEMENTARY FORM F	GMT EQUIV. SCORE SURVEY D FORM 1	ERROR	MAT RAW SCORE INTERMEDIATE FORM F	GMT EQUIV. SCORE SURVEY D FORM 1	ERROR	MAT RAW SCORE INTERMEDIATE FORM F	GMT EQUIV. SCORE SURVEY D FORM 1	ERROR
45	51.7	8.98	45	52.2	1.20	45	52.4	2.25
44	49.9	5.57	44	51.7	2.75	44	52.1	2.35
43	48.4	5.48	43	51.2	3.83	43	51.5	2.90
42	46.5	5.91	42	50.3	3.78	42	50.8	2.40
41	44.7	6.69	41	49.5	3.99	41	50.0	3.49
40	42.9	6.89	40	48.7	3.42	40	49.2	3.08
39	41.1	5.40	39	47.8	3.07	39	48.4	3.44
38	39.5	6.01	38	46.9	4.00	38	47.6	3.62
37	37.8	6.14	37	46.1	3.29	37	46.8	3.29
36	36.4	4.62	36	45.3	4.45	36	45.9	3.90
35	35.3	6.07	35	44.5	4.11	35	45.1	4.90
34	34.2	6.71	34	43.8	3.77	34	44.2	4.35
33	33.0	6.13	33	43.0	5.28	33	43.4	4.20
32	31.8	5.36	32	42.2	5.82	32	42.5	4.40
31	30.6	5.58	31	41.3	5.47	31	41.7	5.38
30	29.4	5.63	30	40.4	5.46	30	40.9	4.43
29	28.3	6.51	29	39.5	4.69	29	40.1	4.50
28	27.2	5.51	28	38.6	5.47	28	39.2	4.89
27	26.2	5.01	27	37.6	5.96	27	38.2	6.36
26	25.1	6.06	26	36.6	5.99	26	37.2	5.24
25	24.0	6.35	25	35.5	6.98	25	36.2	6.15
24	22.9	6.28	24	34.4	7.13	24	35.2	5.28
23	21.8	6.56	23	33.1	6.42	23	34.0	5.92
22	20.7	5.80	22	31.7	6.38	22	32.8	6.76
21	19.7	6.62	21	30.2	7.35	21	31.5	6.42
20	18.6	5.28	20	28.6	7.07	20	30.1	7.77
19	17.6	7.07	19	27.1	6.89	19	28.6	8.22
18	16.6	5.70	18	25.7	7.64	18	27.1	7.55
17	15.6	6.70	17	24.0	7.82	17	25.5	7.85
16	14.6	4.80	16	22.4	7.44	16	23.8	7.29
15	13.5	5.54	15	20.7	7.31	15	22.0	7.46
14	12.6	5.17	14	18.9	7.78	14	20.4	7.76
13	11.6	5.37	13	17.1	7.05	13	18.6	8.75
12	10.6	5.43	12	15.3	6.34	12	16.7	6.06
11	9.6	4.41	11	13.5	7.51	11	14.8	8.71
10	8.7	5.41	10	11.7	7.61	10	13.0	7.66
9	7.7	4.05	9	10.2	7.55	9	11.2	8.25
8	6.6	5.95	8	8.9	7.73	8	9.6	14.98
7	5.6	7.45	7	7.8	9.34	7	8.1	10.54
6	4.6	8.68	6	6.5	9.21	6	6.8	8.53
5	3.7	5.34	5	5.5	9.32	5	5.6	6.98

TABLE 2327. ANCHOR TEST EQUATING STUDY SUPPLEMENT: GRADES 4, 5, AND 6

EQUIVALENT RAW SCORES AND CONDITIONAL ERRORS OF EQUATING

MAT READING (70 ED.), READING (COMPR.) EQUATED TO GMT READING (64 ED.) COMPREHENSION

AVERAGE OF PROCEDURES 1 AND 2, EQUIPERCENTILE METHOD

GRADE 4			GRADE 5			GRADE 6		
MAT RAW SCORE ELEMENTARY FORM F	GMT EQUIV. SCORE SURVEY D FORM 1	ERROR	MAT RAW SCORE INTERMEDIATE FORM F	GMT EQUIV. SCORE SURVEY D FORM 1	ERROR	MAT RAW SCORE INTERMEDIATE FORM F	GMT EQUIV. SCORE SURVEY D FORM 1	ERROR
4	3.2		4	4.5	12.91	4	4.5	11.50
3	2.6	5.40	3	3.6	9.07	3	3.3	14.10
2	2.0		2	2.8	6.50	2	2.2	
1	1.4		1	1.8	6.20	1	1.1	
0	.9		0	1.0	8.00	0	.0	6.00
AVERAGE ERROR		5.90	AVERAGE ERROR		6.32	AVERAGE ERROR		5.55

TABLE 2328. ANCHOR TEST EQUATING STUDY SUPPLEMENT: GRADES 4, 5, AND 6

EQUIVALENT RAW SCORES AND CONDITIONAL ERRORS OF EQUATING

MAT READING (70 ED.), TOTAL READING EQUATED TO GMT READING (64 ED.) TOTAL READING

AVERAGE OF PROCEDURES 1 AND 2, EQUIPERCENTILE METHOD

GRADE 4			GRADE 5			GRADE 6		
MAT RAW SCORE ELEMENTARY FORM F	GMT EQUIV. SCORE SURVEY D FORM 1	ERROR	MAT RAW SCORE INTERMEDIATE FORM F	GMT EQUIV. SCORE SURVEY D FORM 1	ERROR	MAT RAW SCORE INTERMEDIATE FORM F	GMT EQUIV. SCORE SURVEY D FORM 1	ERROR
95	97.3	15.10	95	101.1		95	102.0	2.00
94	95.0	11.76	94	100.0		94	101.0	4.14
93	92.7	8.73	93	98.8	.20	93	99.9	6.15
92	90.3	9.38	92	97.6	4.69	92	98.9	3.63
91	88.0	9.70	91	96.4	4.05	91	97.6	3.74
90	85.7	7.35	90	95.3	4.21	90	96.4	4.10
89	83.5	7.12	89	94.2	5.24	89	95.2	5.47
88	81.6	7.39	88	93.2	3.03	88	94.1	5.48
87	79.5	7.89	87	92.3	4.28	87	93.1	4.73
86	77.5	8.41	86	91.4	4.94	86	92.2	4.18
85	75.7	8.64	85	90.4	5.65	85	91.2	4.46
84	74.0	8.32	84	89.6	4.91	84	90.2	4.69
83	72.3	8.02	83	88.6	6.53	83	89.4	4.37
82	70.6	7.24	82	87.8	3.91	82	88.4	4.81
81	69.1	6.90	81	86.9	4.66	81	87.4	5.79
80	67.8	7.72	80	86.0	4.96	80	86.4	6.13
79	66.6	7.27	79	85.1	7.31	79	85.6	5.20
78	65.4	8.69	78	84.3	5.37	78	84.7	4.83
77	64.4	6.92	77	83.5	4.95	77	84.0	7.36
76	63.3	8.17	76	82.7	5.49	76	83.2	5.02
75	62.2	7.87	75	81.9	6.49	75	82.5	6.33
74	61.3	7.04	74	81.1	4.83	74	81.8	5.50
73	60.4	8.17	73	80.4	6.70	73	81.1	5.74
72	59.4	7.42	72	79.6	5.53	72	80.4	5.25
71	58.4	7.58	71	78.9	5.11	71	79.6	6.25
70	57.4	6.71	70	78.2	7.09	70	78.8	5.93
69	56.4	7.59	69	77.5	6.52	69	77.9	6.00
68	55.3	7.39	68	76.8	5.20	68	77.2	6.13
67	54.3	7.37	67	76.1	7.35	67	76.3	5.80
66	53.4	9.46	66	75.4	6.89	66	75.6	5.90
65	52.5	6.18	65	74.6	5.34	65	74.9	5.32
64	51.6	6.85	64	73.8	5.87	64	74.2	4.81
63	50.8	8.93	63	72.9	5.46	63	73.5	6.95
62	50.0	8.29	62	72.1	7.24	62	72.6	7.65
61	49.2	8.11	61	71.4	5.45	61	71.9	5.89
60	48.4	8.44	60	70.6	6.07	60	71.1	7.42
59	47.5	6.88	59	69.8	5.90	59	70.2	6.99
58	46.6	5.85	58	69.0	5.78	58	69.4	6.88
57	45.7	7.41	57	68.3	8.15	57	68.6	7.09
56	44.8	7.93	56	67.5	6.33	56	67.8	7.41
55	44.1	8.35	55	66.6	7.60	55	67.0	7.28

TABLE 2328. ANCHOR TEST EQUATING STUDY SUPPLEMENT: GRADES 4, 5, AND 6

EQUIVALENT RAW SCORES AND CONDITIONAL ERRORS OF EQUATING

MAT READING (70 ED.), TOTAL READING EQUATED TO GMT READING (64 ED.) TOTAL READING

AVERAGE OF PROCEDURES 1 AND 2, EQUIPERCENTILE METHOD

GRADE 4			GRADE 5			GRADE 6		
MAT RAW SCORE ELEMENTARY FORM F	GMT EQUIV. SCORE SURVEY D FORM 1	ERROR	MAT RAW SCORE INTERMEDIATE FORM F	GMT EQUIV. SCORE SURVEY D FORM 1	ERROR	MAT RAW SCORE INTERMEDIATE FORM F	GMT EQUIV. SCORE SURVEY D FORM 1	ERROR
54	43.3	7.82	54	65.8	7.45	54	66.1	7.18
53	42.5	7.73	53	64.8	6.23	53	65.2	7.44
52	41.7	7.64	52	63.8	8.42	52	64.4	6.92
51	40.9	6.47	51	62.8	8.38	51	63.4	7.08
50	40.2	9.49	50	61.7	8.49	50	62.5	6.76
49	39.5	9.63	49	60.7	9.70	49	61.4	7.93
48	38.7	6.34	48	59.7	8.84	48	60.4	8.96
47	38.0	8.46	47	58.7	9.33	47	59.4	9.08
46	37.2	7.25	46	57.6	9.67	46	58.4	10.24
45	36.5	7.03	45	56.4	8.77	45	57.5	8.38
44	35.9	8.24	44	55.3	8.23	44	56.5	8.13
43	35.2	5.40	43	54.2	8.32	43	55.5	10.20
42	34.6	5.73	42	53.1	7.36	42	54.5	8.12
41	34.0	8.93	41	51.9	8.90	41	53.5	7.03
40	33.3	6.34	40	50.8	8.02	40	52.3	9.82
39	32.5	9.76	39	49.7	7.33	39	51.2	11.89
38	31.9	7.13	38	48.7	8.90	38	50.1	9.84
37	31.1	7.99	37	47.6	8.48	37	48.9	8.91
36	30.4	6.99	36	46.4	9.54	36	47.8	8.25
35	29.7	7.47	35	45.2	10.75	35	46.6	8.78
34	29.0	7.14	34	44.0	10.25	34	45.4	8.57
33	28.3	7.82	33	42.8	9.72	33	44.1	9.29
32	27.6	6.98	32	41.5	9.74	32	42.7	9.34
31	26.9	6.67	31	40.3	8.65	31	41.2	7.11
30	26.2	7.32	30	38.7	9.96	30	39.6	10.21
29	25.4	7.16	29	37.3	9.02	29	38.0	9.43
28	24.4	7.13	28	35.8	8.71	28	36.4	8.42
27	23.5	6.29	27	34.1	10.14	27	34.9	8.52
26	22.6	8.28	26	32.2	10.42	26	33.2	12.96
25	21.6	5.51	25	30.4	9.76	25	31.3	10.03
24	20.8	5.14	24	28.5	7.03	24	29.5	9.99
23	19.9	6.84	23	26.6	10.19	23	27.7	11.57
22	19.0	5.58	22	25.1	10.84	22	26.1	9.09
21	18.1	5.39	21	23.4	10.16	21	24.6	12.83
20	17.1	6.05	20	22.0	12.05	20	23.2	9.41
19	16.1	9.73	19	20.7	9.36	19	22.1	11.81
18	15.1	4.66	18	19.5	8.50	18	21.0	13.96
17	14.2	9.18	17	18.3	8.24	17	19.8	7.91
16	13.5	8.50	16	16.9	9.77	16	18.6	9.28
15	12.9	3.20	15	15.3	5.04	15	17.4	5.25
14	12.2	9.36	14	13.8	11.89	14	16.1	11.20

TABLE 2328. ANCHOR TEST EQUATING STUDY SUPPLEMENT: GRADES 4, 5, AND 6

EQUIVALENT RAW SCORES AND CONDITIONAL ERRORS OF EQUATING

MAT READING (70 ED.), TOTAL READING EQUATED TO GMT READING (64 ED.) TOTAL READING

AVERAGE OF PROCEDURES 1 AND 2, EQUIPERCENTILE METHOD

GRADE 4			GRADE 5			GRADE 6		
MAT RAW SCORE ELEMENTARY FORM F	GMT EQUIV. SCORE SURVEY D FORM 1	ERROR	MAT RAW SCORE INTERMEDIATE FORM F	GMT EQUIV. SCORE SURVEY D FORM L	ERROR	MAT RAW SCORE INTERMEDIATE FORM F	GMT EQUIV. SCORE SURVEY D FORM 1	ERROR
13	11.5	9.80	13	13.0	9.08	13	14.8	16.98
12	10.8	8.20	12	12.2	11.89	12	13.6	8.87
11	10.2	4.84	11	11.4	13.62	11	12.4	12.30
10	9.4		10	10.5		10	11.1	
9	8.8		9	9.7	2.30	9	9.9	
8	8.1		8	8.9	7.55	8	8.6	8.52
7	7.4		7	8.1	10.90	7	7.4	
6	6.7		6	7.3	17.48	6	6.1	
5	6.1		5	6.5	3.50	5	5.1	
4	5.4		4	5.7	1.30	4	4.6	
3	4.7		3	4.9		3	4.1	
2	4.0		2	4.1		2	3.6	
1	3.3		1	3.2		1	3.1	
0	2.6		0	2.4		0	2.7	
AVERAGE ERROR		7.67	AVERAGE ERROR		7.77	AVERAGE ERROR		6.95

ABBREVIATIONS, SYMBOLISMS, AND CROSS-REFERENCES
FOR THE ANCHOR TEST STUDY GRAPHS AT GRADE 4

Heading

Line 2:

(1) Proc. 1 —— Equating Procedure 1
(2) Proc. 2 —— Equating Procedure 2

Line 3:

(1) Equipercentile —— Equipercentile Equating Method
(2) Vocabulary —— Reading Vocabulary Subtest
(3) Comprehension —— Reading Comprehension Subtest
(4) Total Reading —— Total Reading Test

Axes

Abscissa:

(1) CAT —— California Achievement Tests, Reading, 1970 Edition, Level 3, Form A, Raw Score Scale
(2) CTBS —— Comprehensive Tests of Basic Skills, Reading, 1968 Edition, Level 2, Form Q, Raw Score Scale
(3) ITBS —— Iowa Test of Basic Skills, Reading, 1971 Edition, Level 10, Form 5, Raw Score Scale
(4) MAT —— Metropolitan Achievement Tests, Reading, 1970 Edition, Elementary, Form F, Raw Score Scale
(5) STEP II —— Sequential Tests of Educational Progress Series II, Reading, 1969 Edition, Level 4, Form A, Raw Score Scale
(6) SRA —— SRA Achievement Series, Reading, 1971 Edition, Blue, Form E, Raw Score Scale
(7) SAT —— Stanford Achievement Test, Reading, 1964 Edition, Intermediate I, Form W, Raw Score Scale
(8) GMT —— Gates MacGinitie Reading Tests, 1964 Edition, Survey D, Form 1, Raw Score Scale

Ordinate:

same as abscissa

Legend

1 —— Equating Procedure 1
2 —— Equating Procedure 2

PROCEDURE COMPARISON GRAPHS: GRADE 4
(Equating Procedure 1 vs. Equating Procedure 2)

VOCABULARY

Reference Test*	Equated To	Graph Number	Equating Table Numbers
GMT	other 7 tests	6049 thru 6055	2195 and 2203
CAT	GMT	6056	2188 and 2196
CTBS	GMT	6057	2189 and 2197
ITBS	GMT	6058	2190 and 2198
MAT	GMT	6059	2191 and 2199
STEP II	GMT	6060	2192 and 2200
SRA	GMT	6061	2193 and 2201
SAT	GMT	6062	2194 and 2202

READING COMPREHENSION

Reference Test*	Equated To	Graph Number	Equating Table Numbers
GMT	other 7 tests	6063 thru 6069	2219 and 2227
CAT	GMT	6070	2212 and 2220
CTBS	GMT	6071	2213 and 2221
ITBS	GMT	6072	2214 and 2222
MAT	GMT	6073	2215 and 2223
STEP II	GMT	6074	2216 and 2224
SRA	GMT	6075	2217 and 2225
SAT	GMT	6076	2218 and 2226

TOTAL READING

Reference Test*	Equated To	Graph Number	Equating Table Numbers
GMT	other 7 tests	6077 thru 6083	2243 and 2251
CAT	GMT	6084	2236 and 2244
CTBS	GMT	6085	2237 and 2245
ITBS	GMT	6086	2238 and 2246
MAT	GMT	6087	2239 and 2247
STEP II	GMT	6088	2240 and 2248
SRA	GMT	6089	2241 and 2249
SAT	GMT	6090	2242 and 2250

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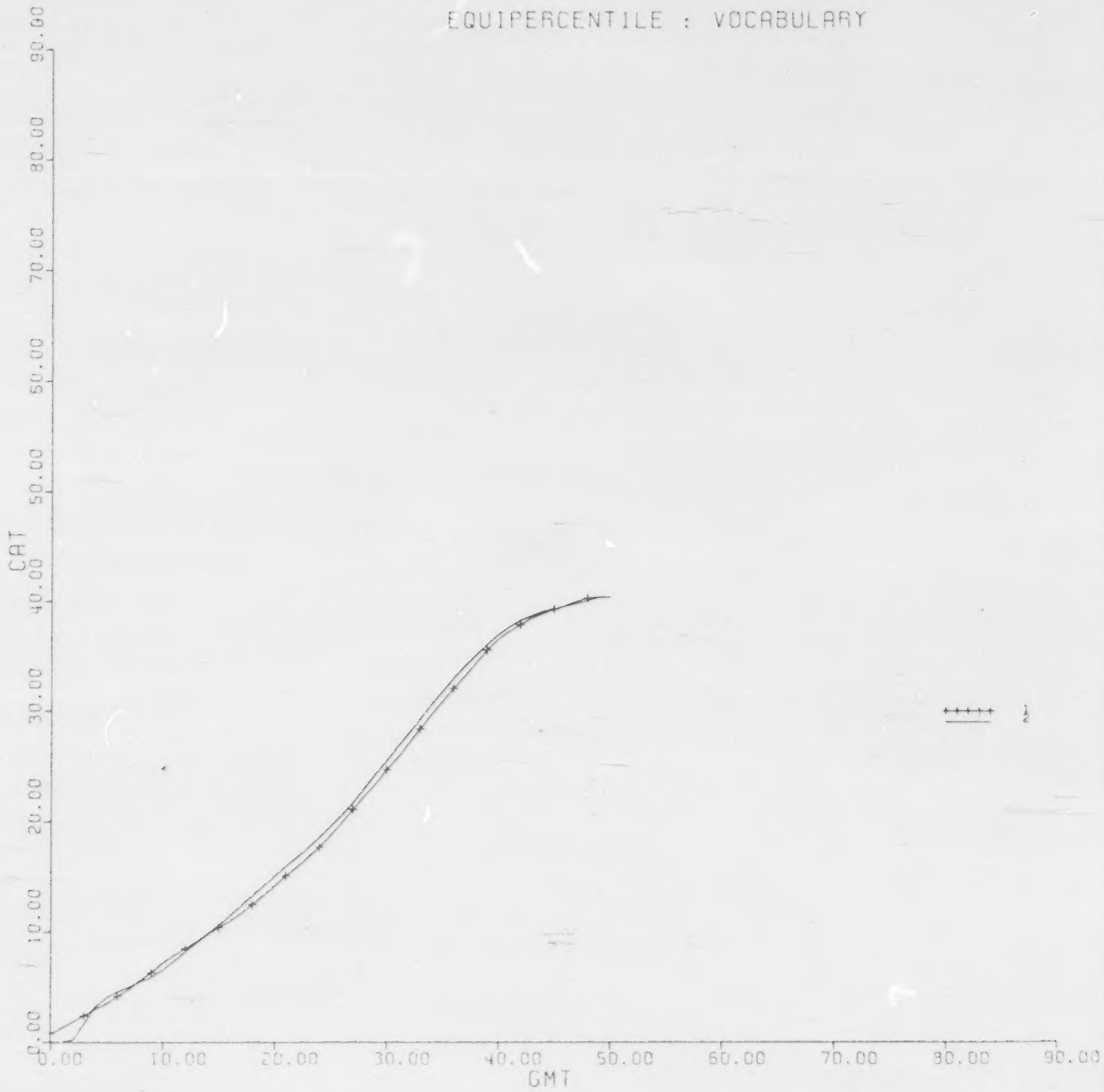
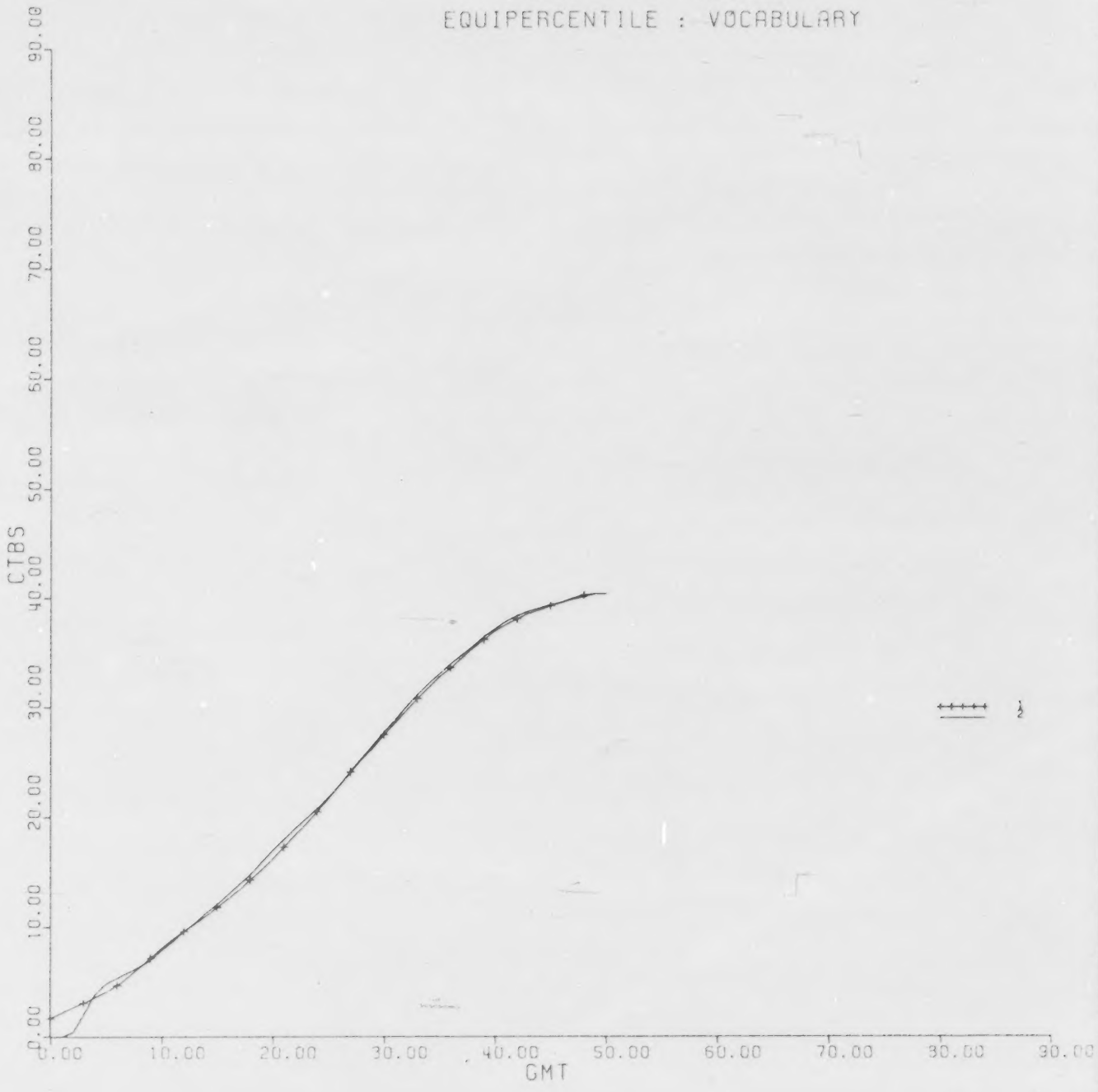
* The reference test appears as the abscissa and is the test equated to the one shown as the ordinate. In the case of the GMT, it appears as the abscissa of 7 graphs, each showing the equating lines of the GMT equated to one of the other tests. For the other seven tests, only the graphs showing the equating lines of each test equated to the GMT are given. The graphs showing the equating lines of each of these seven tests, when equated to each other, are given in the Anchor Test Study Report, Volume V.

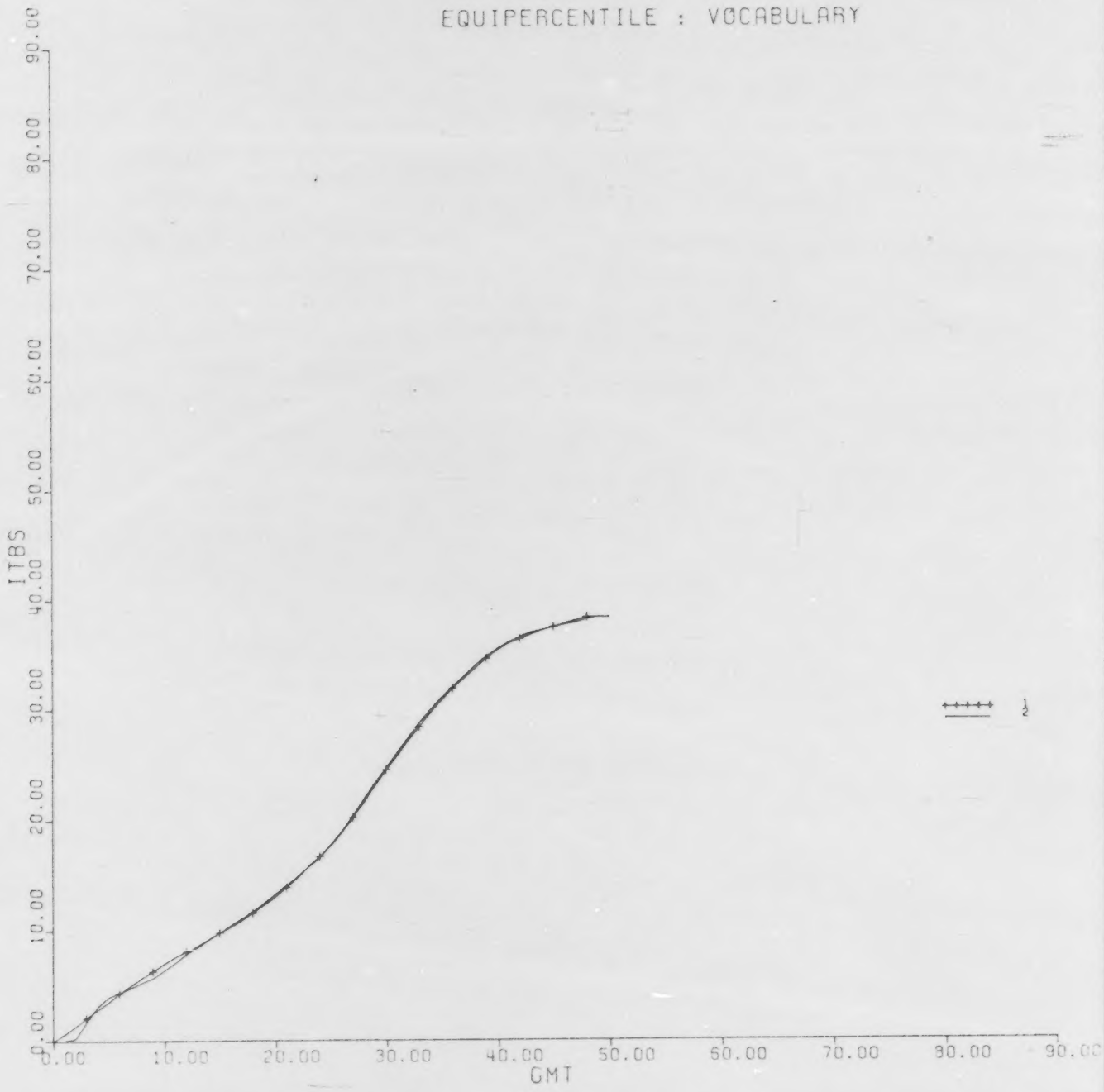
GRAPH 6049. ANCHOR TEST EQUATING STUDY: GRADE 4
PROC. 1 VS PROC. 2
EQUIPERCENTILE : VOCABULARY



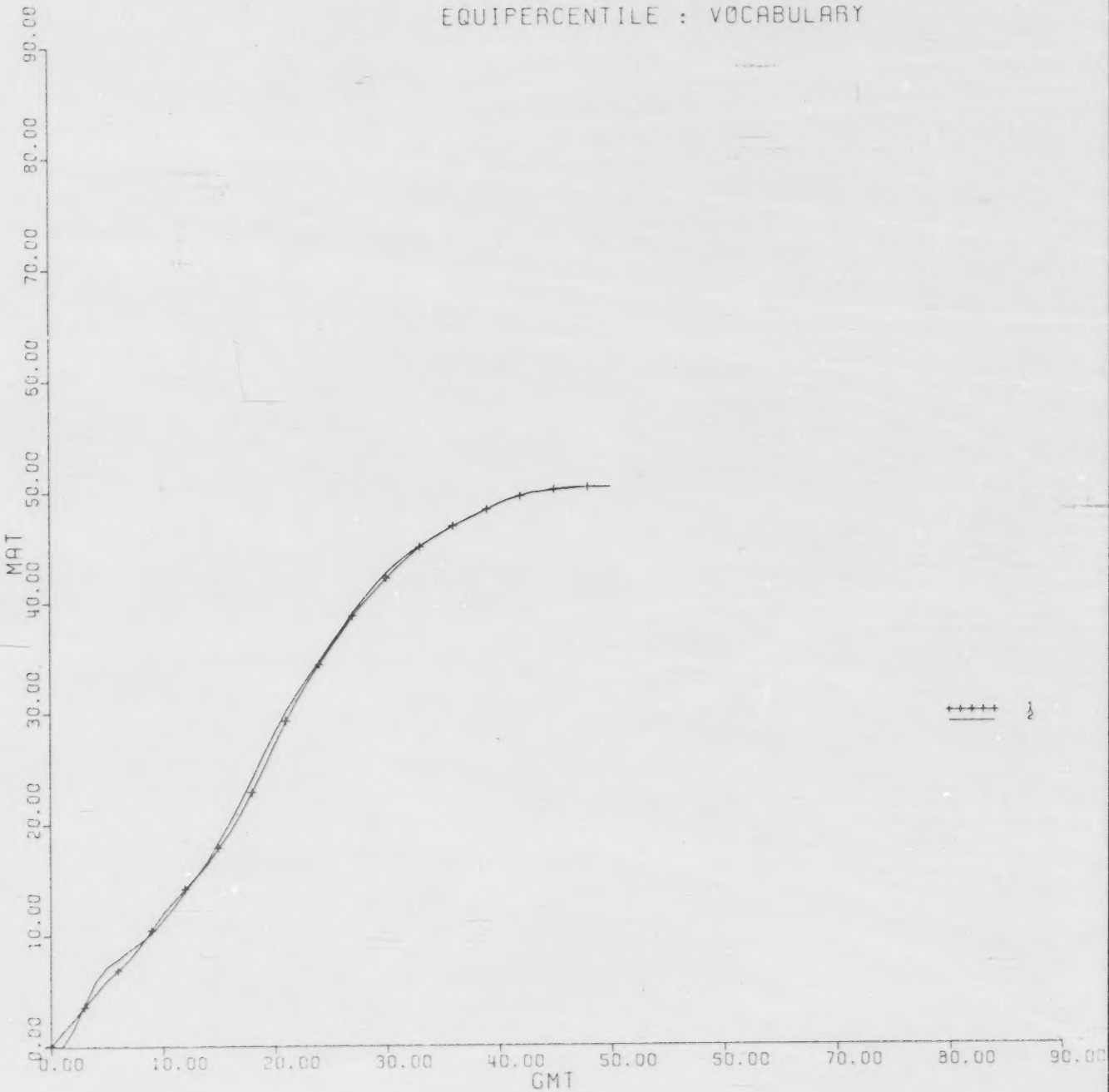
GRAPH 6050. ANCHOR TEST EQUATING STUDY: GRADE 4
PROC. 1 VS PROC. 2
EQUIPERCENTILE : VOCABULARY



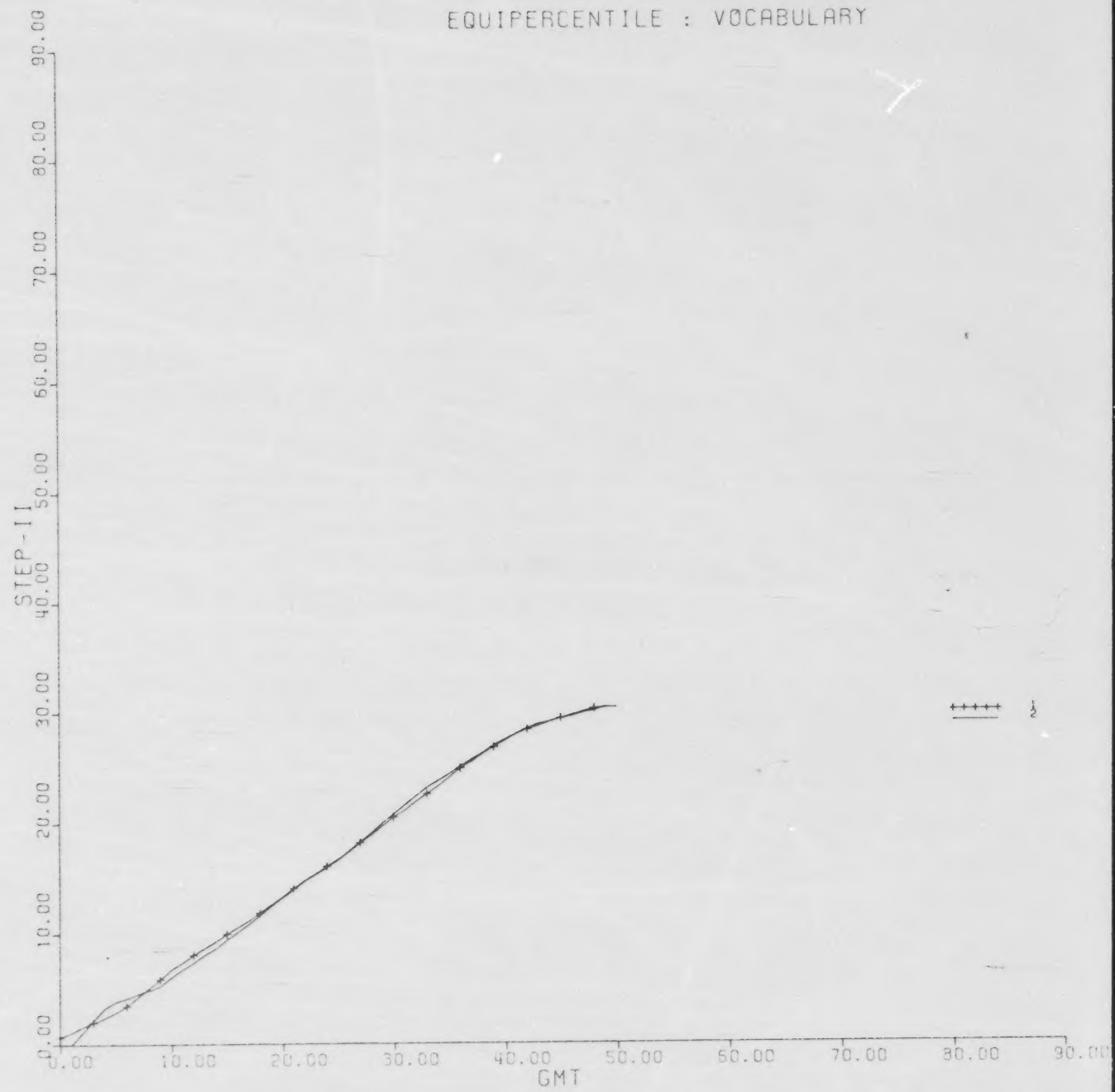
GRAPH 6051. ANCHOR TEST EQUATING STUDY: GRADE 4
PROC. 1 VS PROC. 2
EQUIPERCENTILE : VOCABULARY



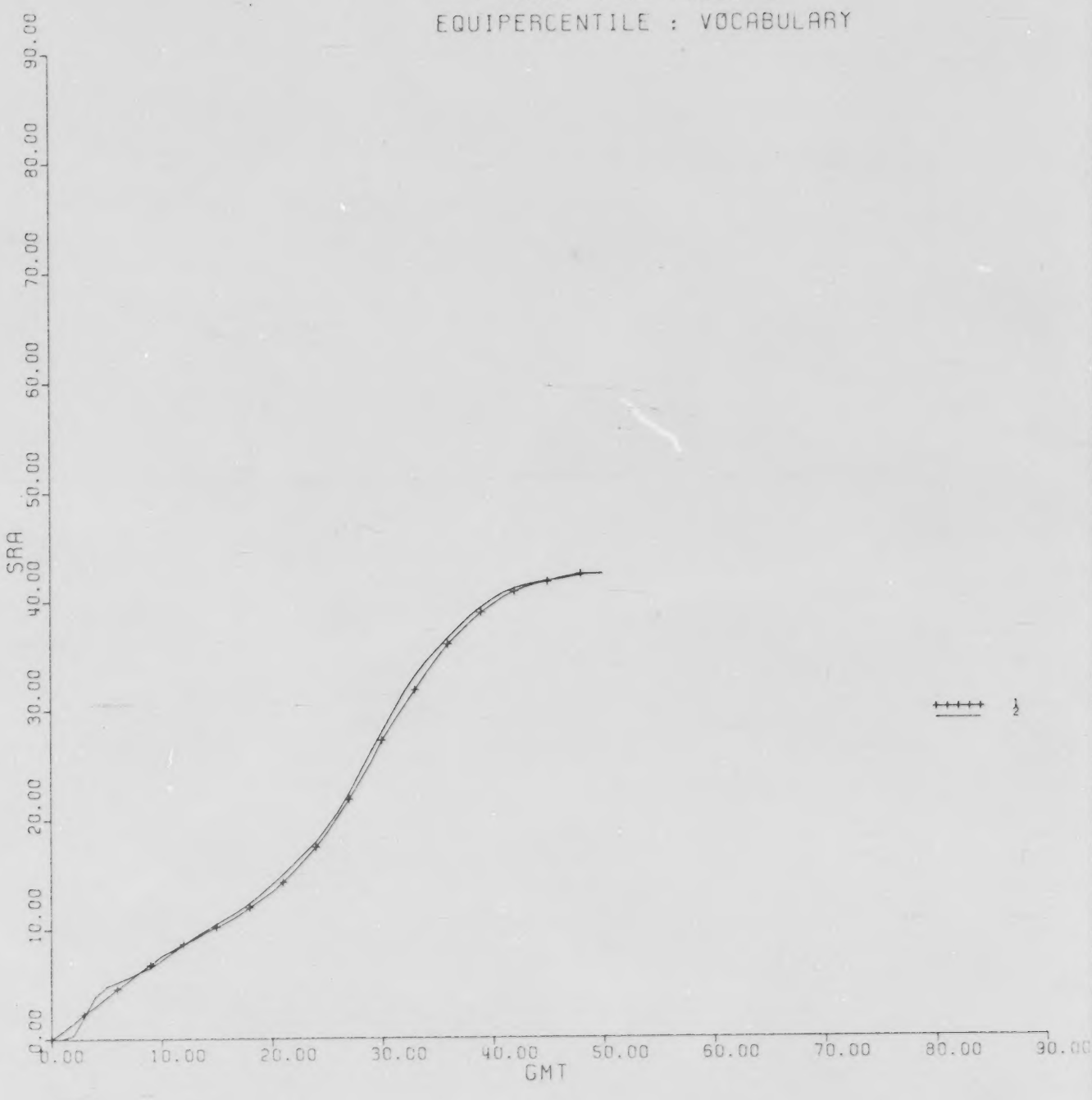
GRAPH 6052. ANCHOR TEST EQUATING STUDY: GRADE 4
PROC. 1 VS PROC. 2
EQUIPERCENTILE : VOCABULARY



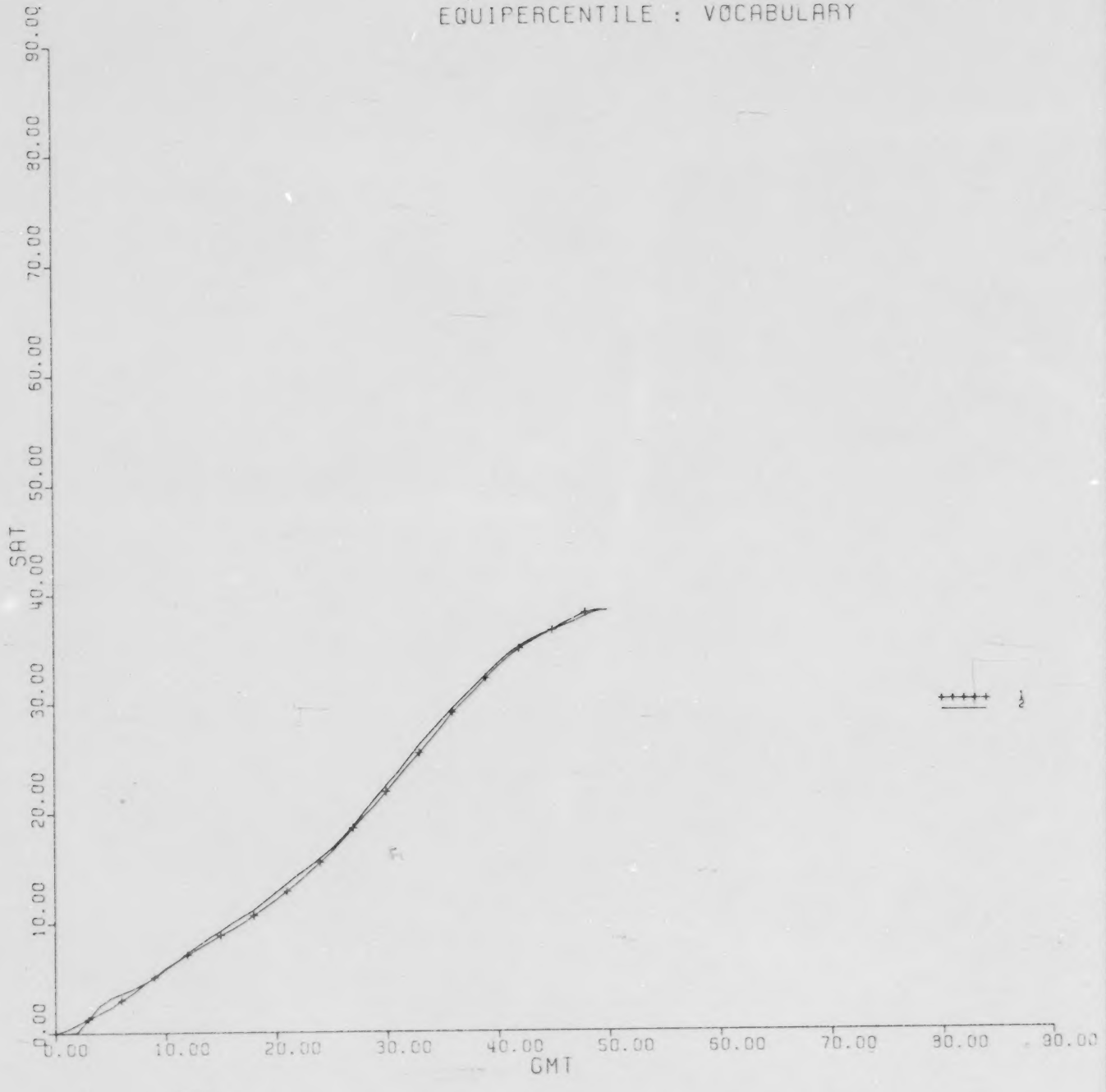
GRAPH 6053. ANCHOR TEST EQUATING STUDY: GRADE 4
PROC. 1 VS PROC. 2
EQUIPERCENTILE : VOCABULARY



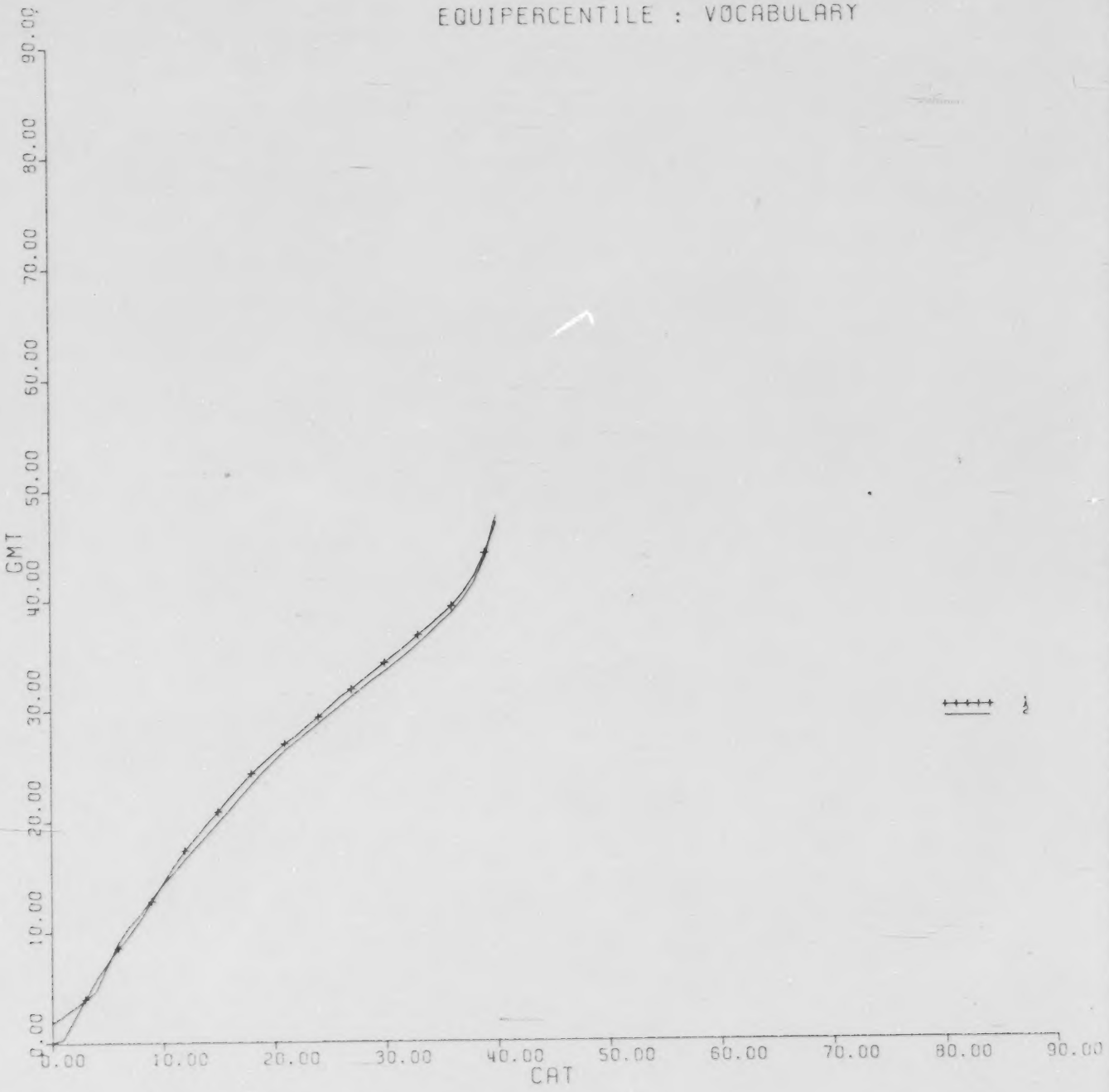
GRAPH 6054. ANCHOR TEST EQUATING STUDY: GRADE 4
PROC. 1 VS PROC. 2
EQUIPERCENTILE : VOCABULARY



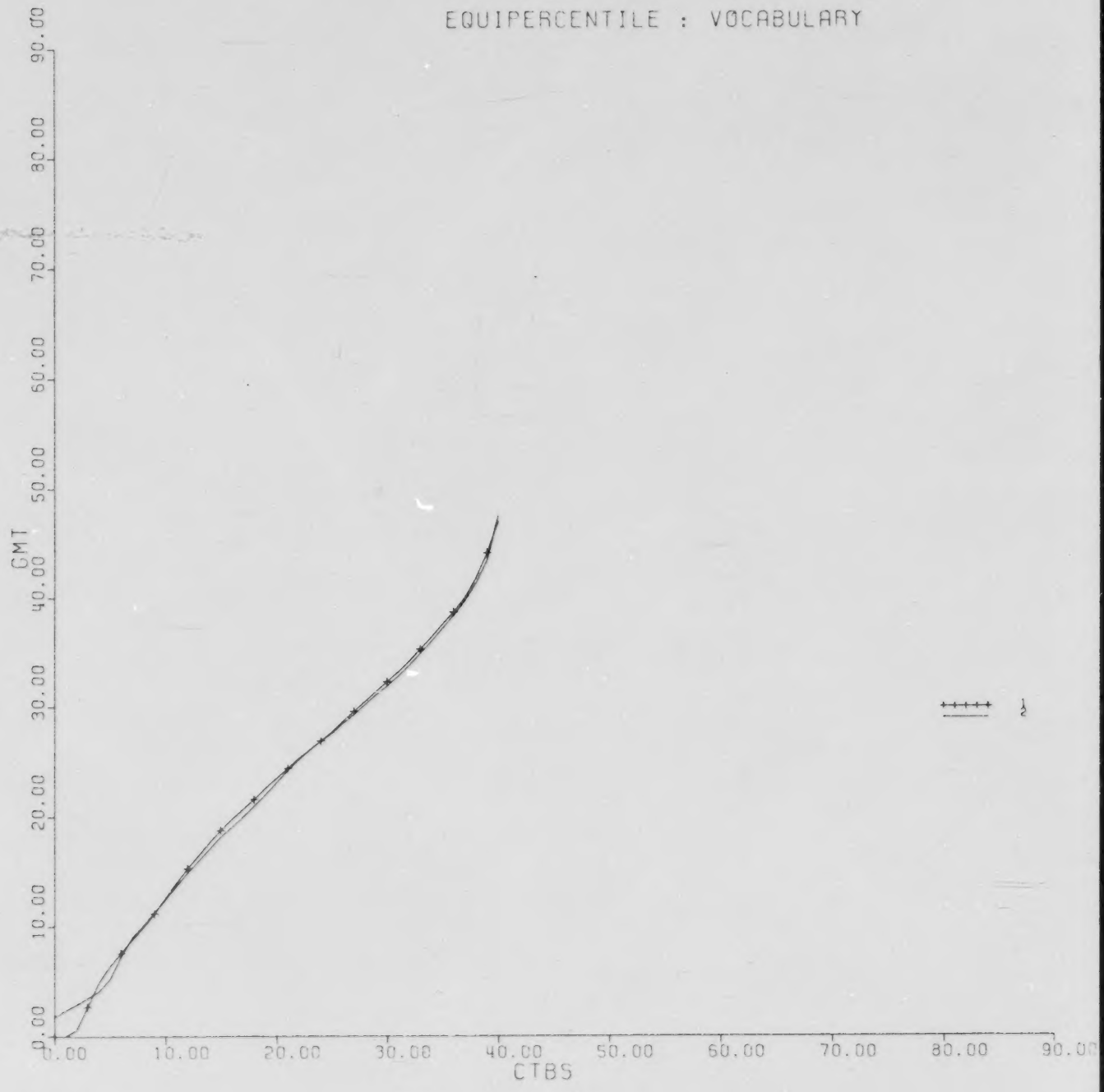
GRAPH 6055. ANCHOR TEST EQUATING STUDY: GRADE 4
PROC. 1 VS PROC. 2
EQUIPERCENTILE : VOCABULARY



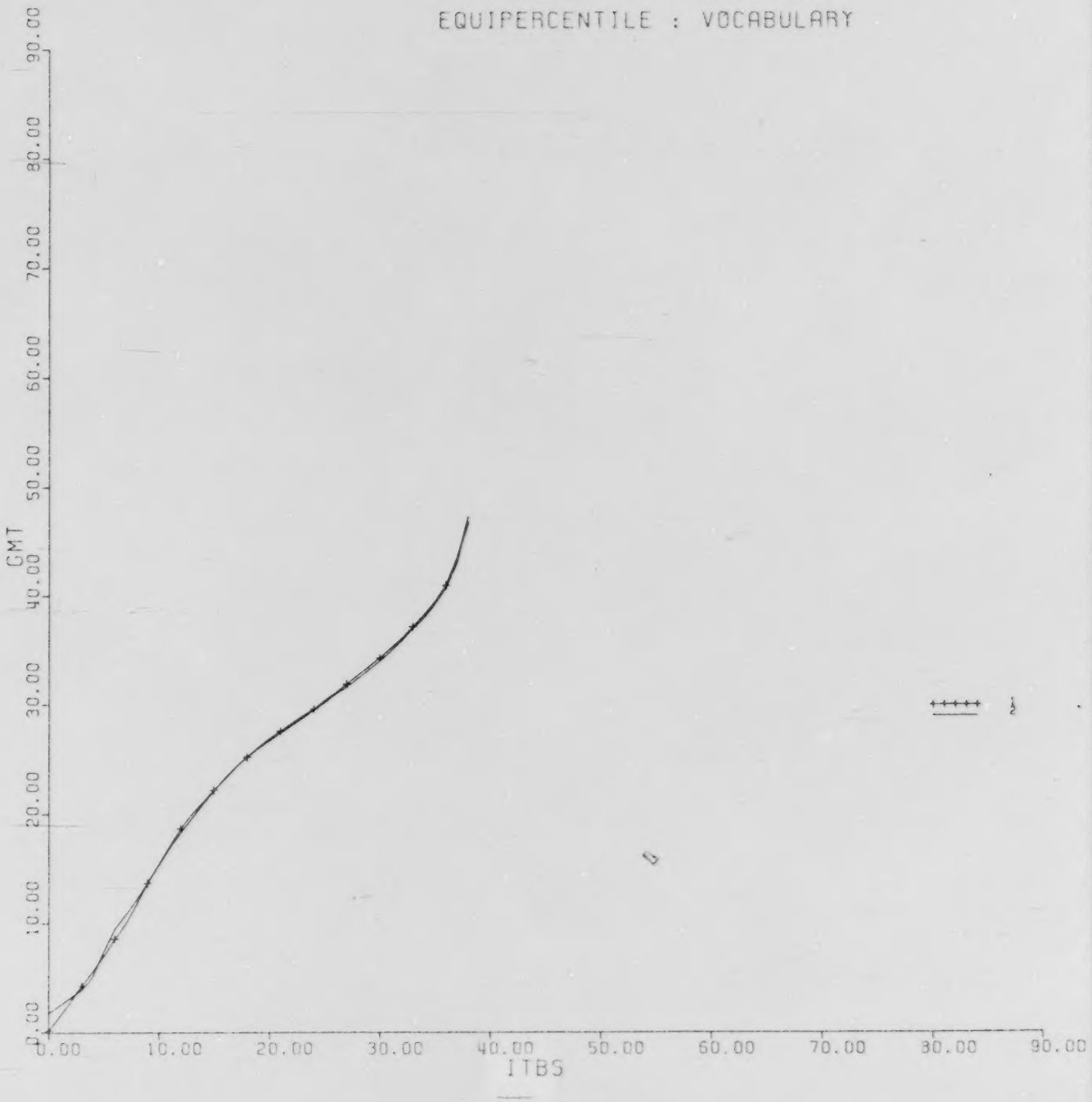
GRAPH 6056. ANCHOR TEST EQUATING STUDY: GRADE 4
PROC. 1 VS PROC. 2
EQUIPERCENTILE : VOCABULARY



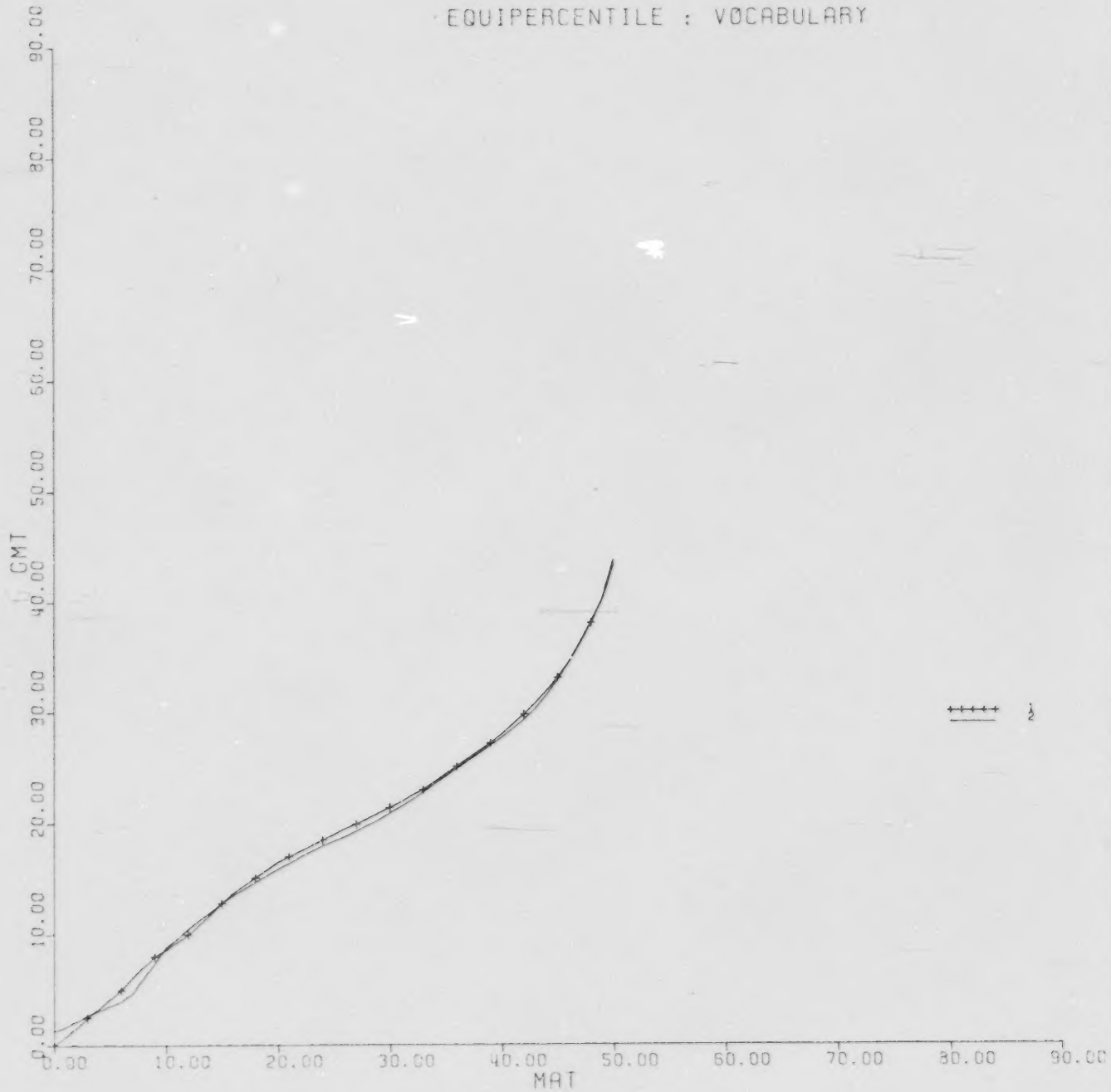
GRAPH 6057. ANCHOR TEST EQUATING STUDY: GRADE 4
PROC. 1 VS PROC. 2
EQUIPERCENTILE : VOCABULARY



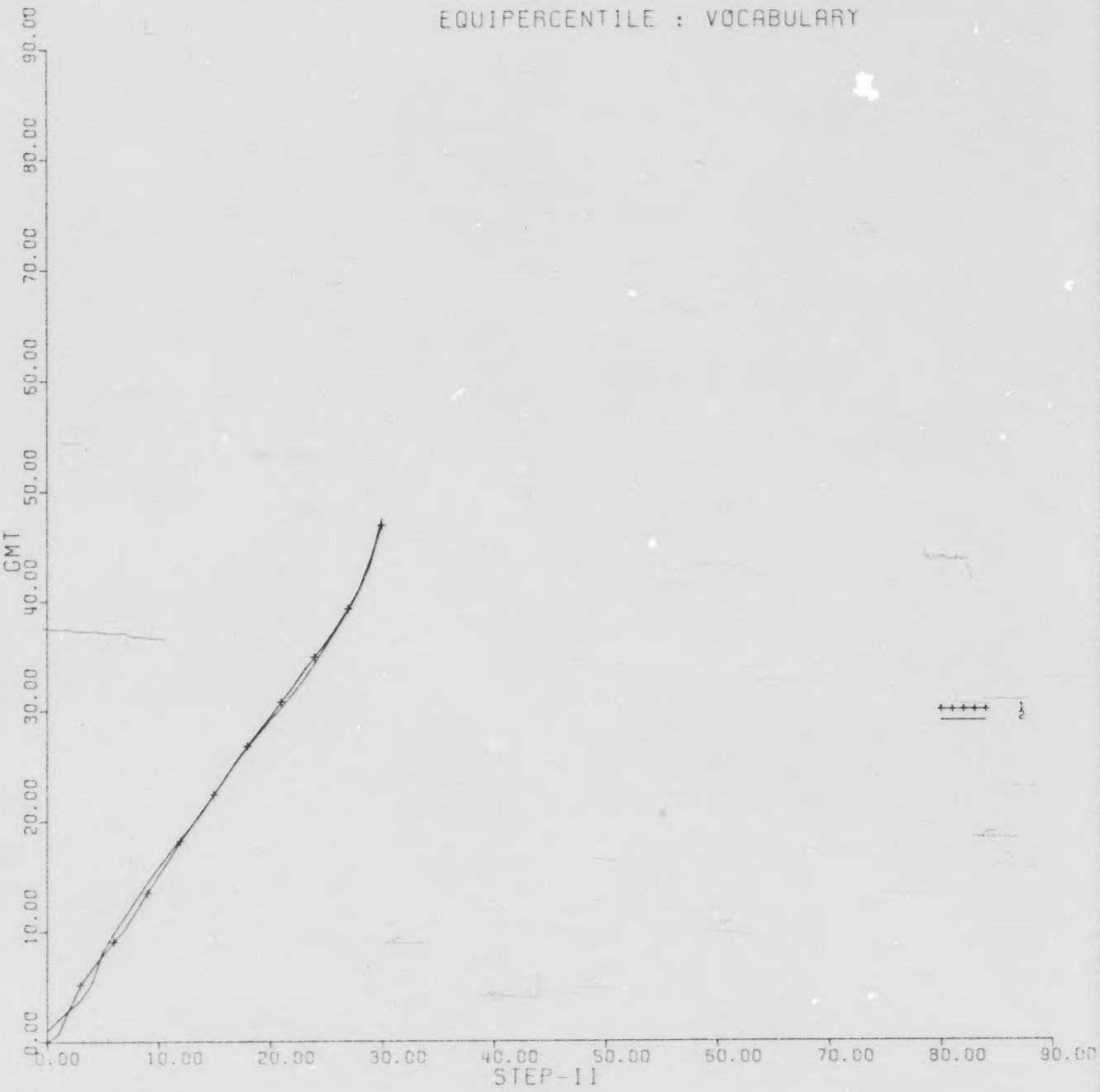
GRAPH 6058. ANCHOR TEST EQUATING STUDY: GRADE 4
PROC. 1 VS PROC. 2
EQUIPERCENTILE : VOCABULARY



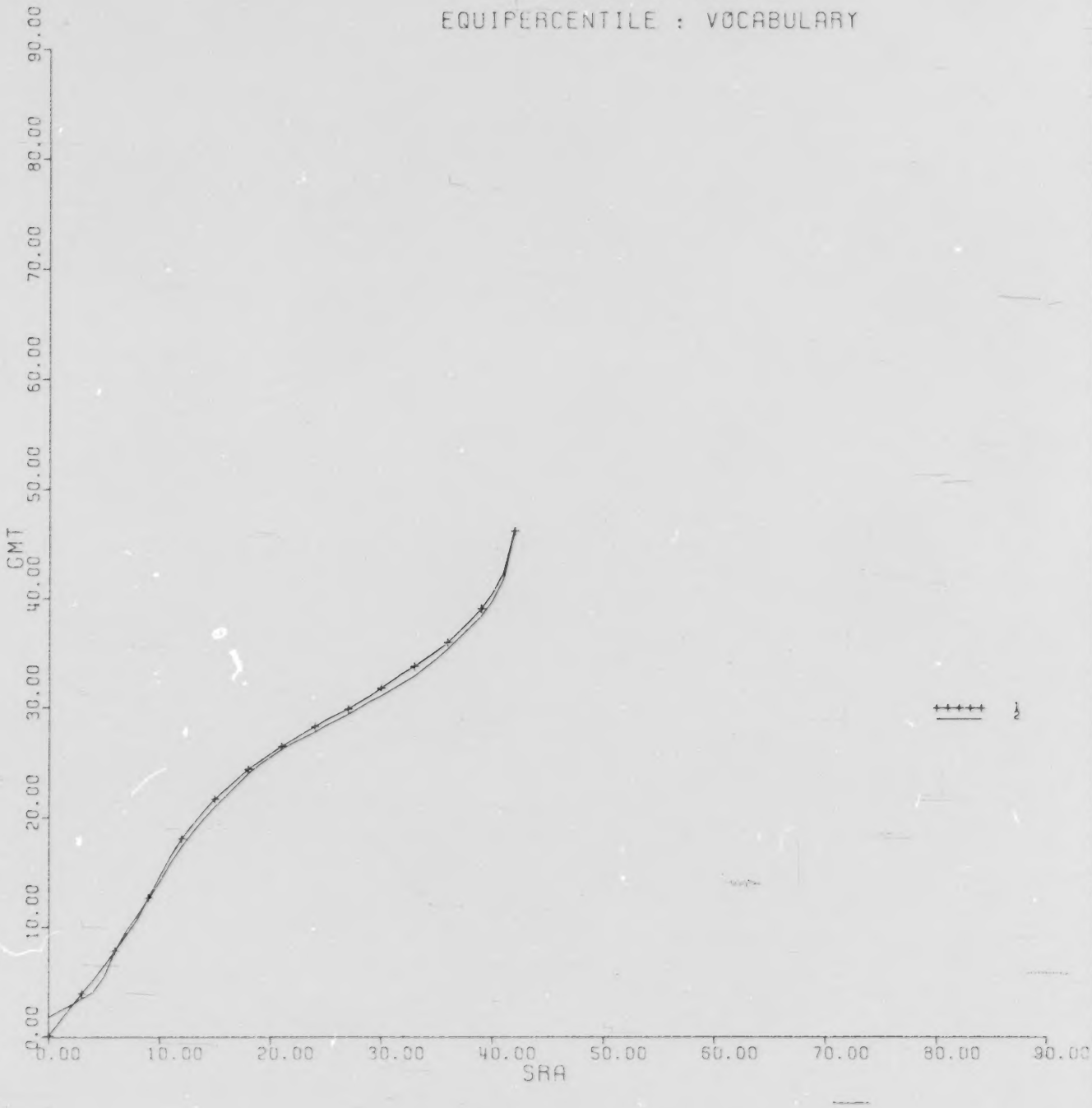
GRAPH 6059. ANCHOR TEST EQUATING STUDY: GRADE 4
PROC. 1 VS PROC. 2
EQUIPERCENTILE : VOCABULARY



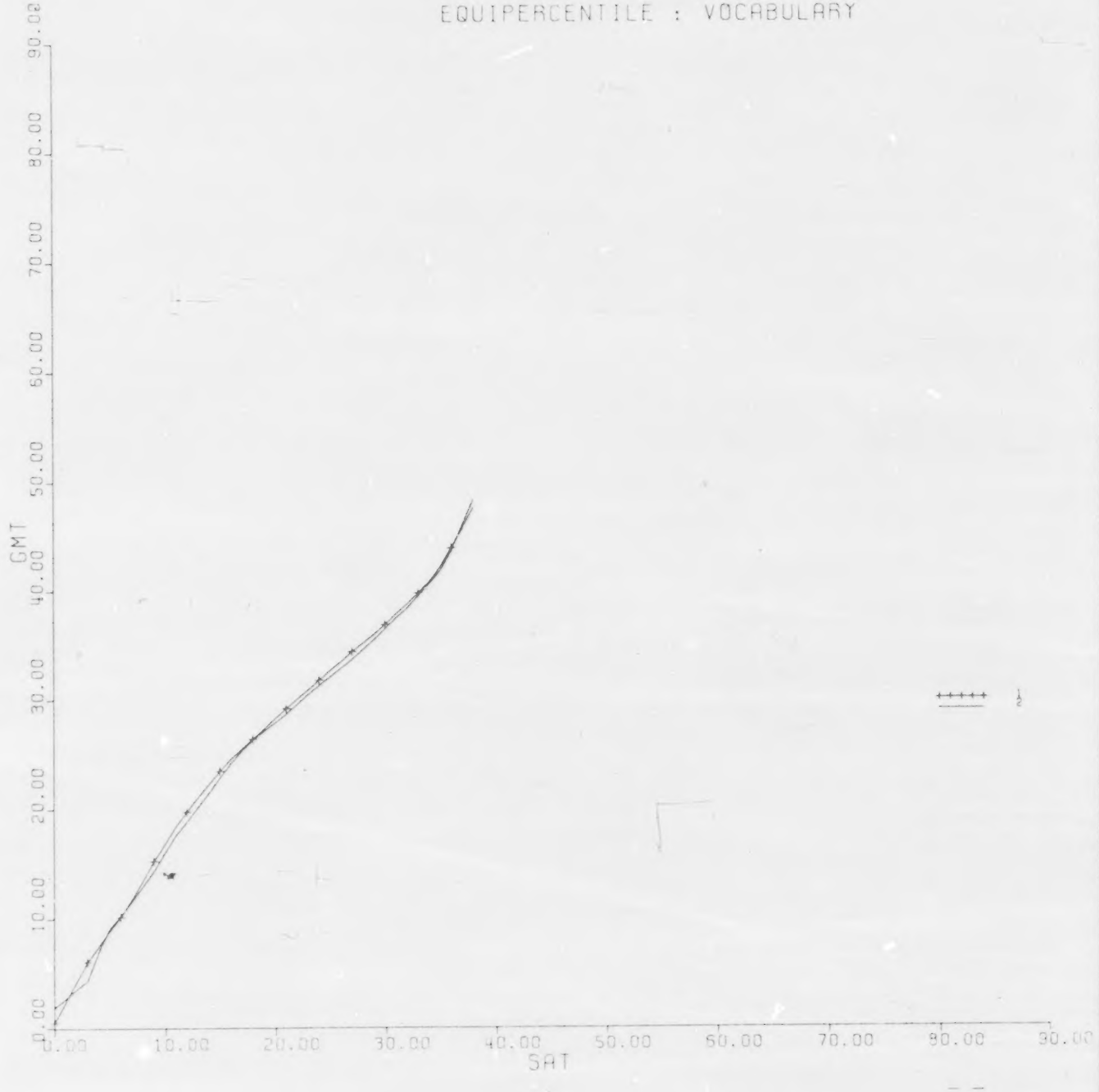
GRAPH 6060. ANCHOR TEST EQUATING STUDY: GRADE 4
PROC. 1 VS PROC. 2
EQUIPERCENTILE : VOCABULARY



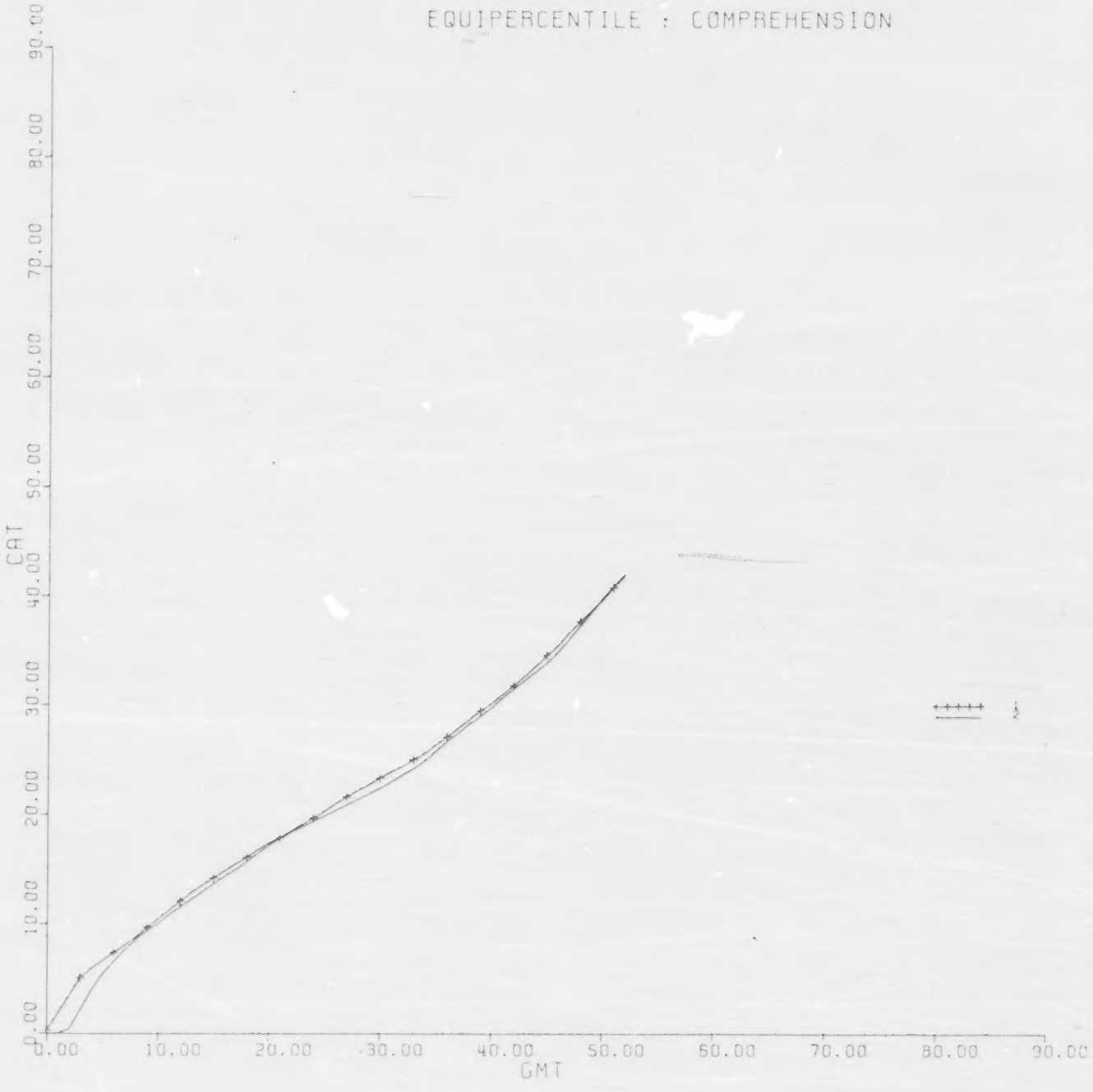
GRAPH 6061. ANCHOR TEST EQUATING STUDY: GRADE 4
PROC. 1 VS PROC. 2
EQUIPERCENTILE : VOCABULARY



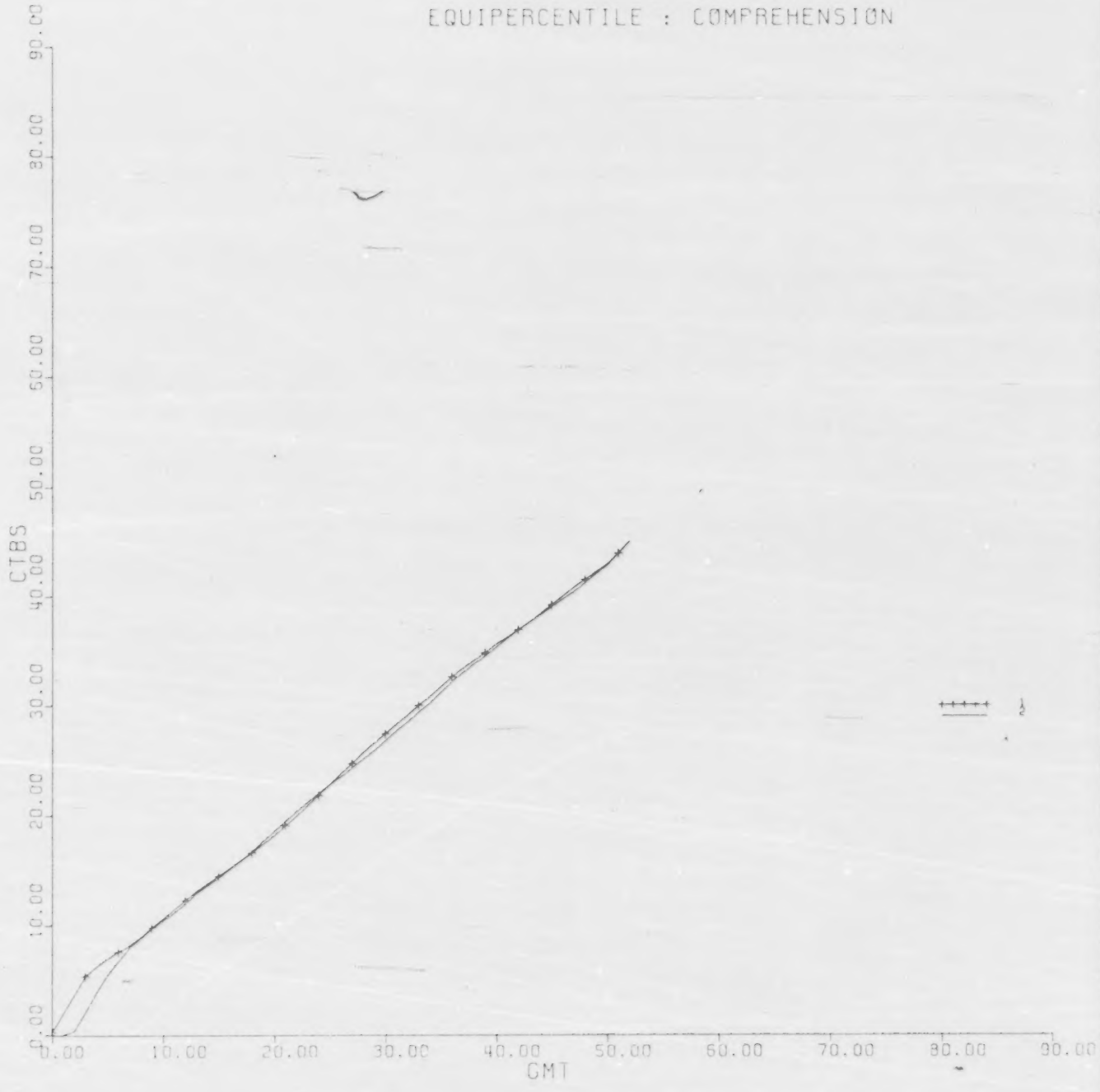
GRAPH 6062. ANCHOR TEST EQUATING STUDY: GRADE 4
PROC. 1 VS PROC. 2
EQUIPERCENTILE : VOCABULARY



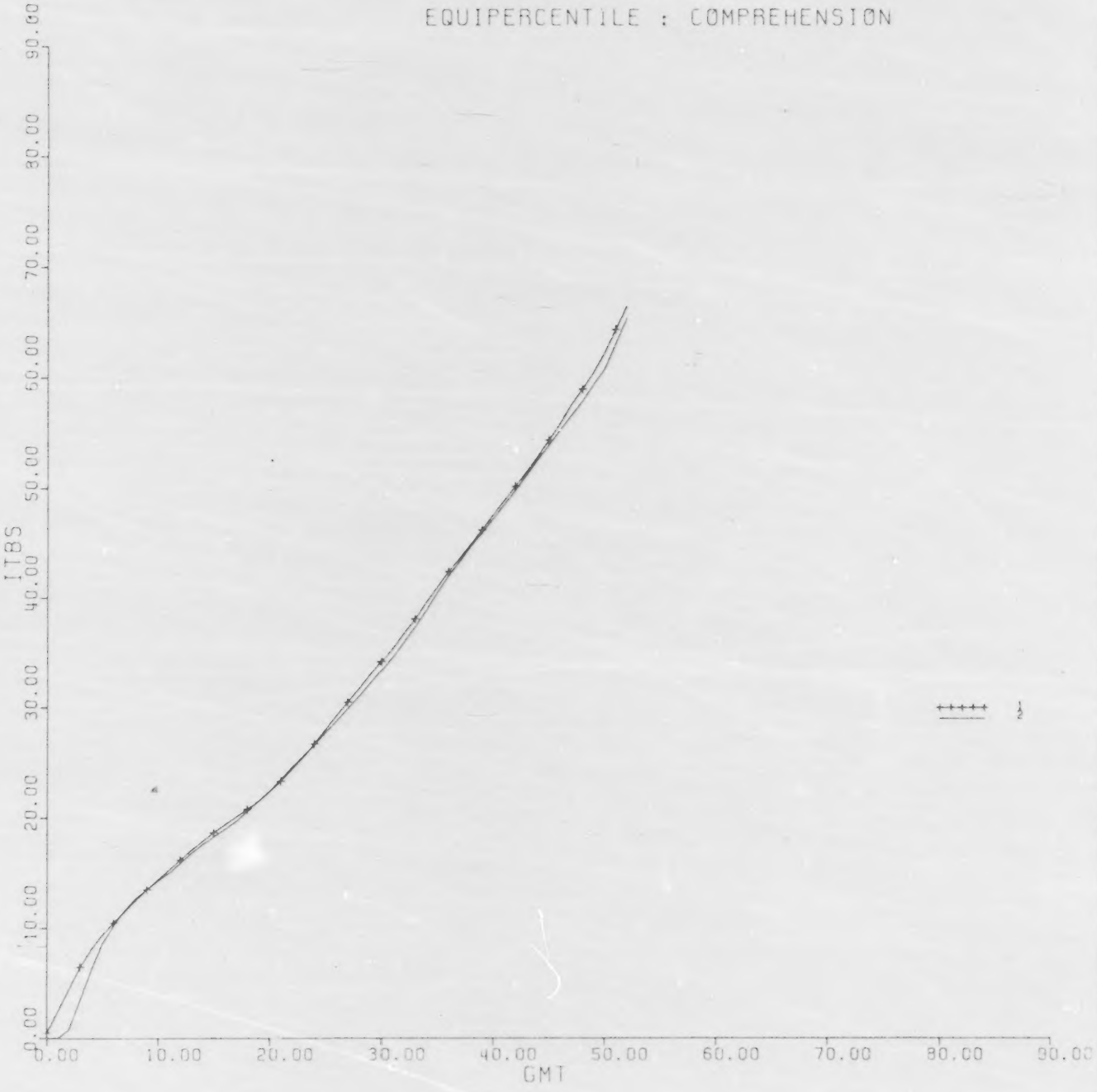
GRAPH 6063. ANCHOR TEST EQUATING STUDY: GRADE 4
PROC. 1 VS PROC. 2
EQUIPERCENTILE : COMPREHENSION



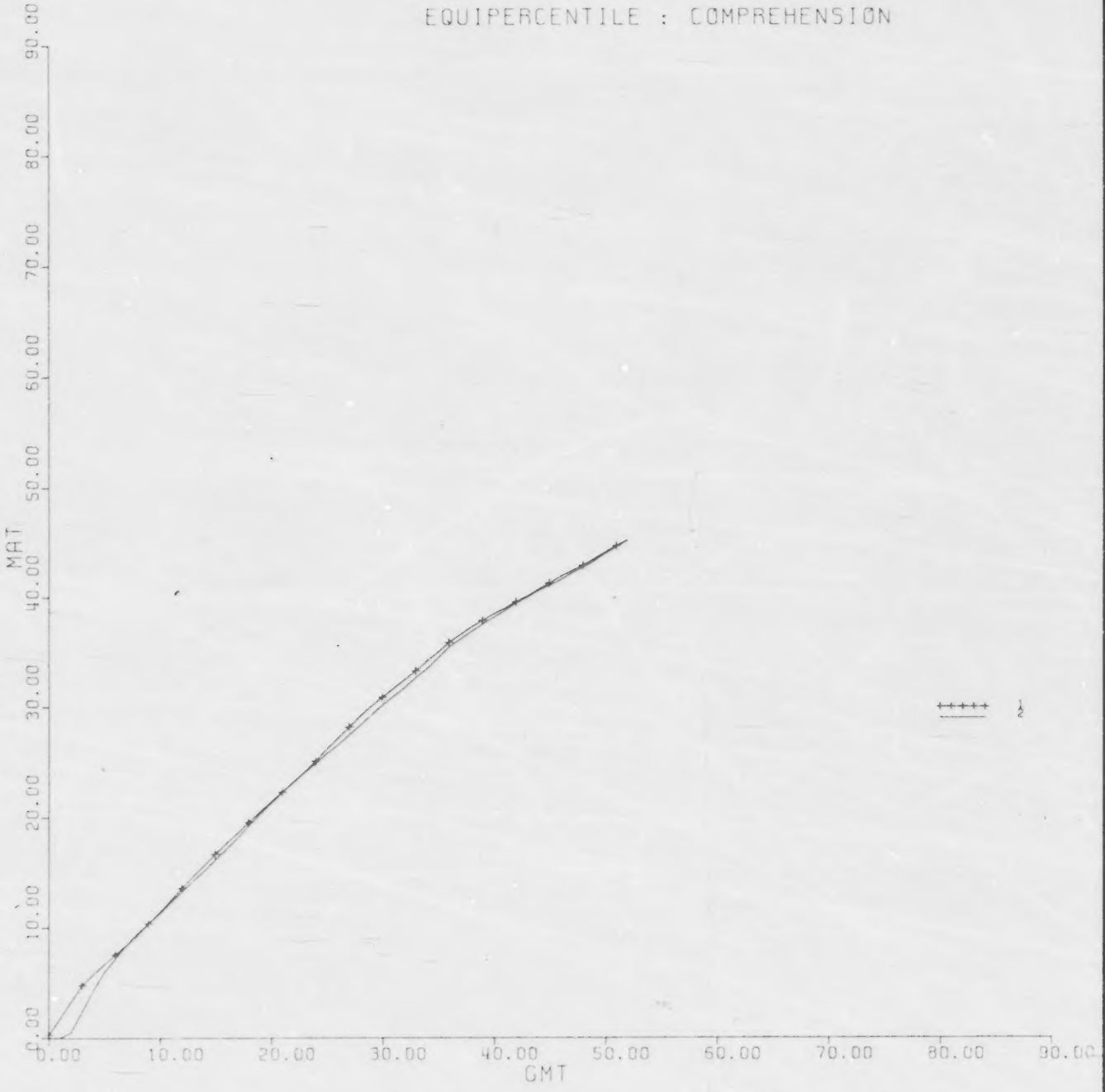
GRAPH 6064. ANCHOR TEST EQUATING STUDY: GRADE 4
PROC. 1 VS PROC. 2
EQUIPERCENTILE : COMPREHENSION



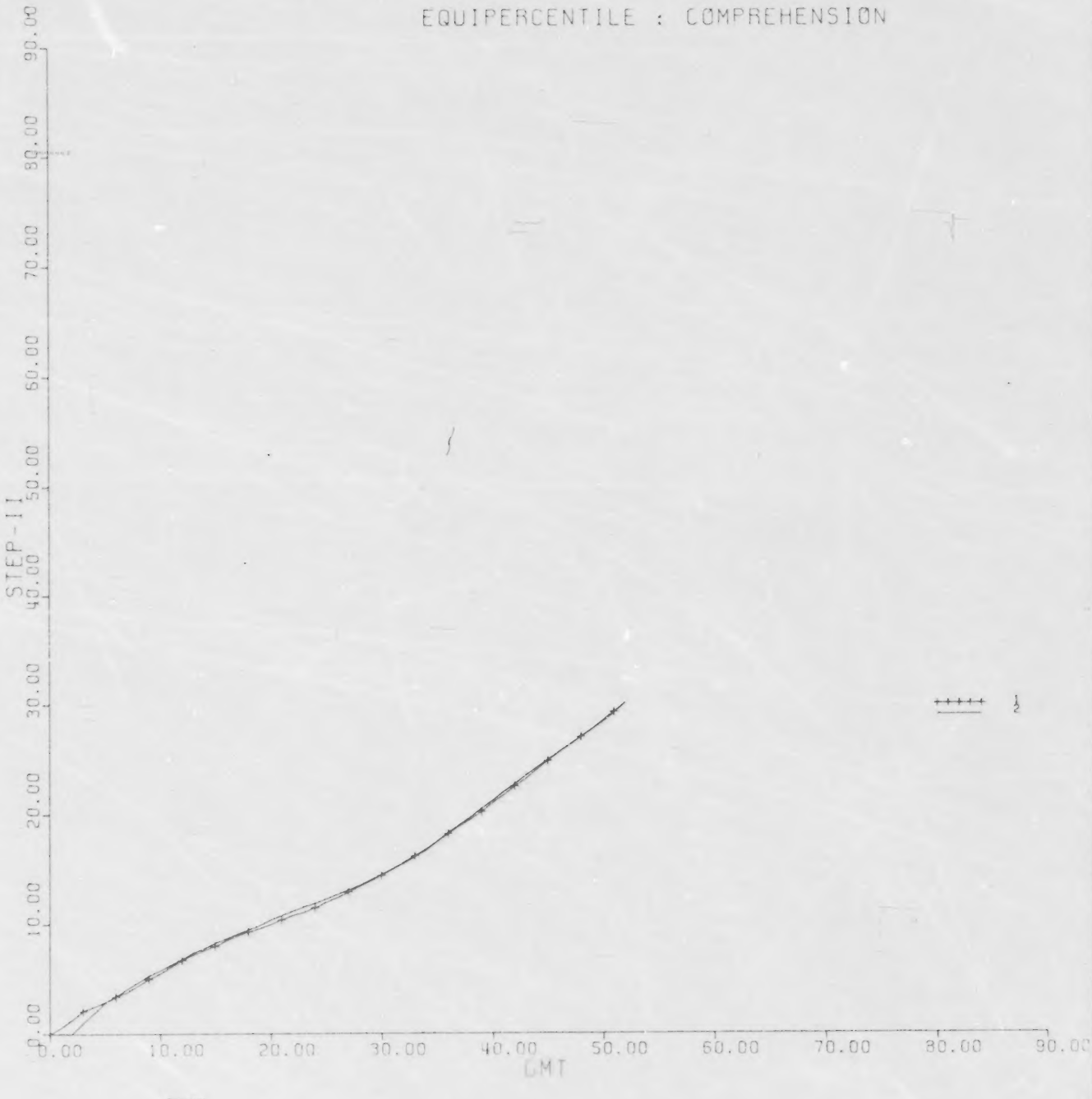
GRAPH 6065. ANCHOR TEST EQUATING STUDY: GRADE 4
PROC. 1 VS PROC. 2
EQUIPERCENTILE : COMPREHENSION



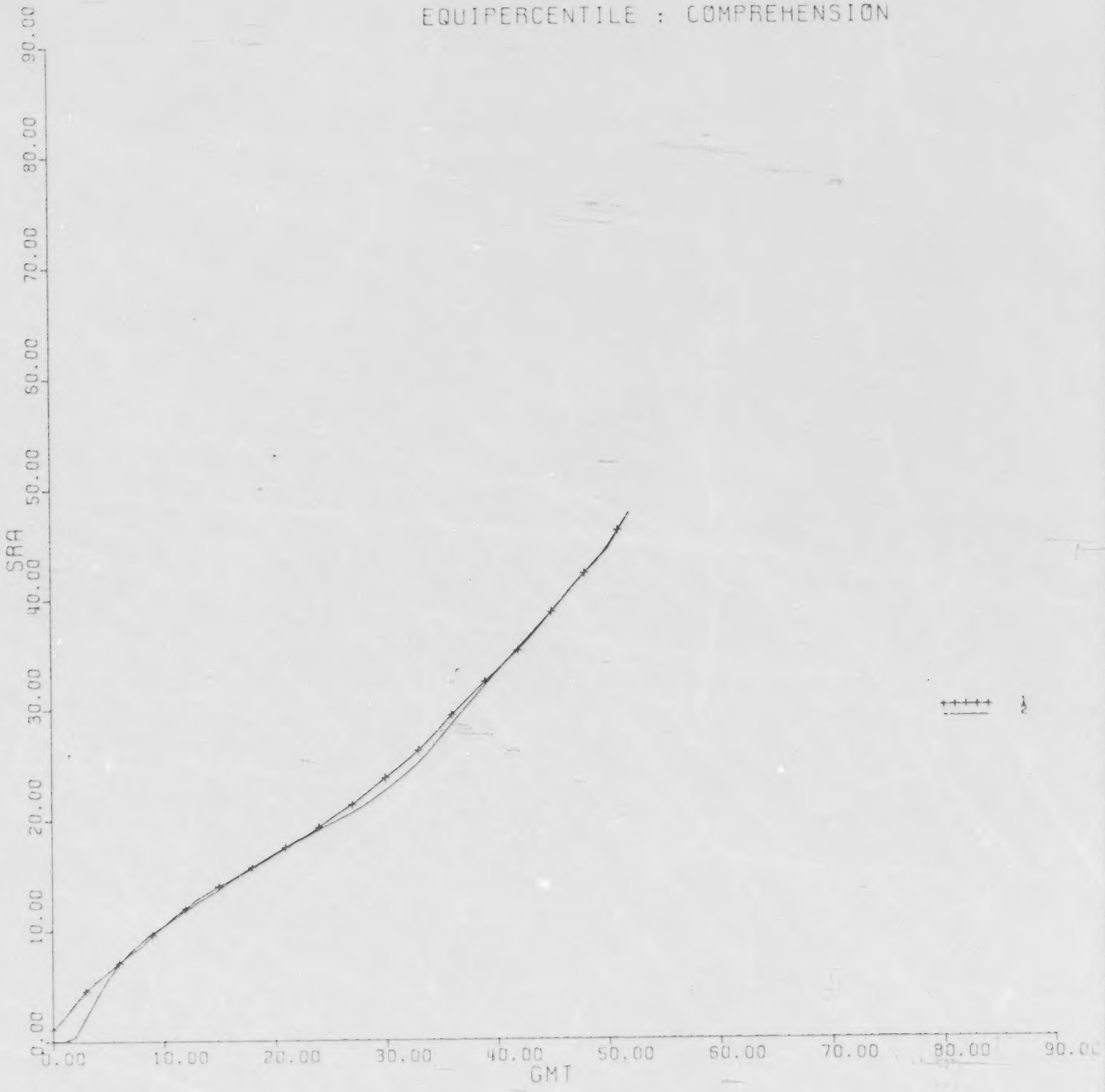
GRAPH 6066. ANCHOR TEST EQUATING STUDY: GRADE 4
PROC. 1 VS PROC. 2
EQUIPERCENTILE : COMPREHENSION



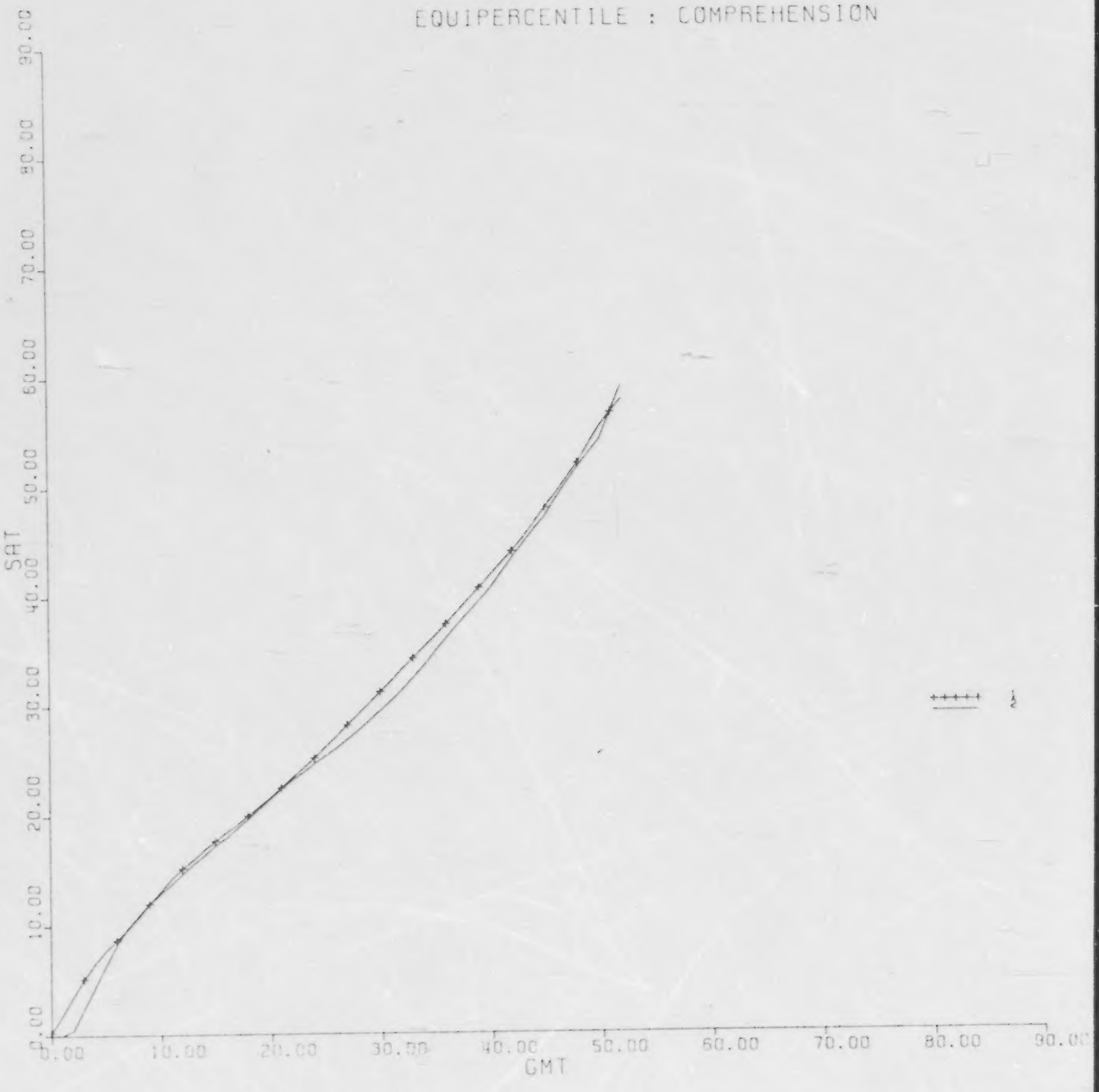
GRAPH 6067. ANCHOR TEST EQUATING STUDY: GRADE 4
PROC. 1 VS PROC. 2
EQUIPERCENTILE : COMPREHENSION



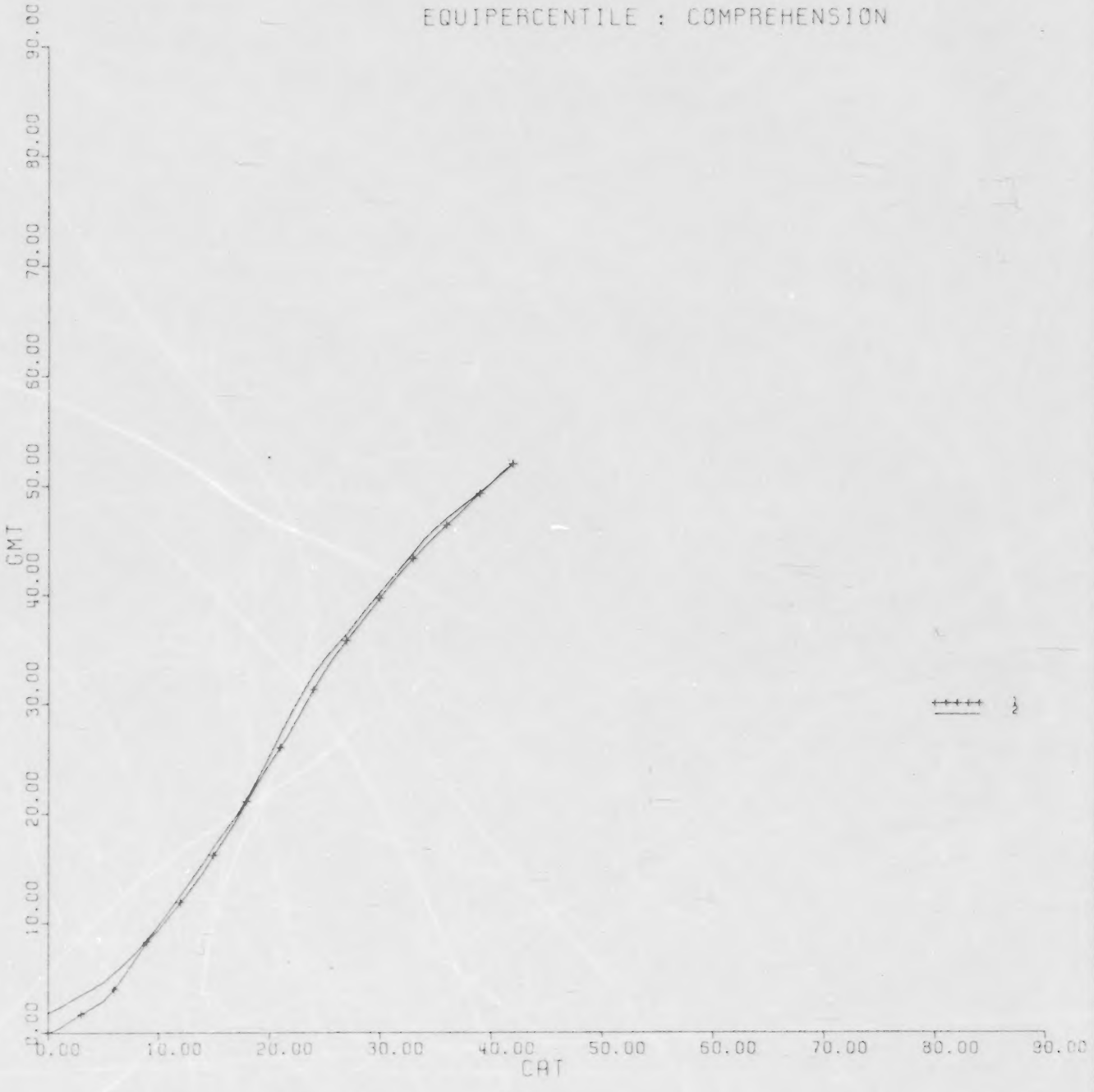
GRAPH 6068. ANCHOR TEST EQUATING STUDY: GRADE 4
PROC. 1 VS PROC. 2
EQUIPERCENTILE : COMPREHENSION



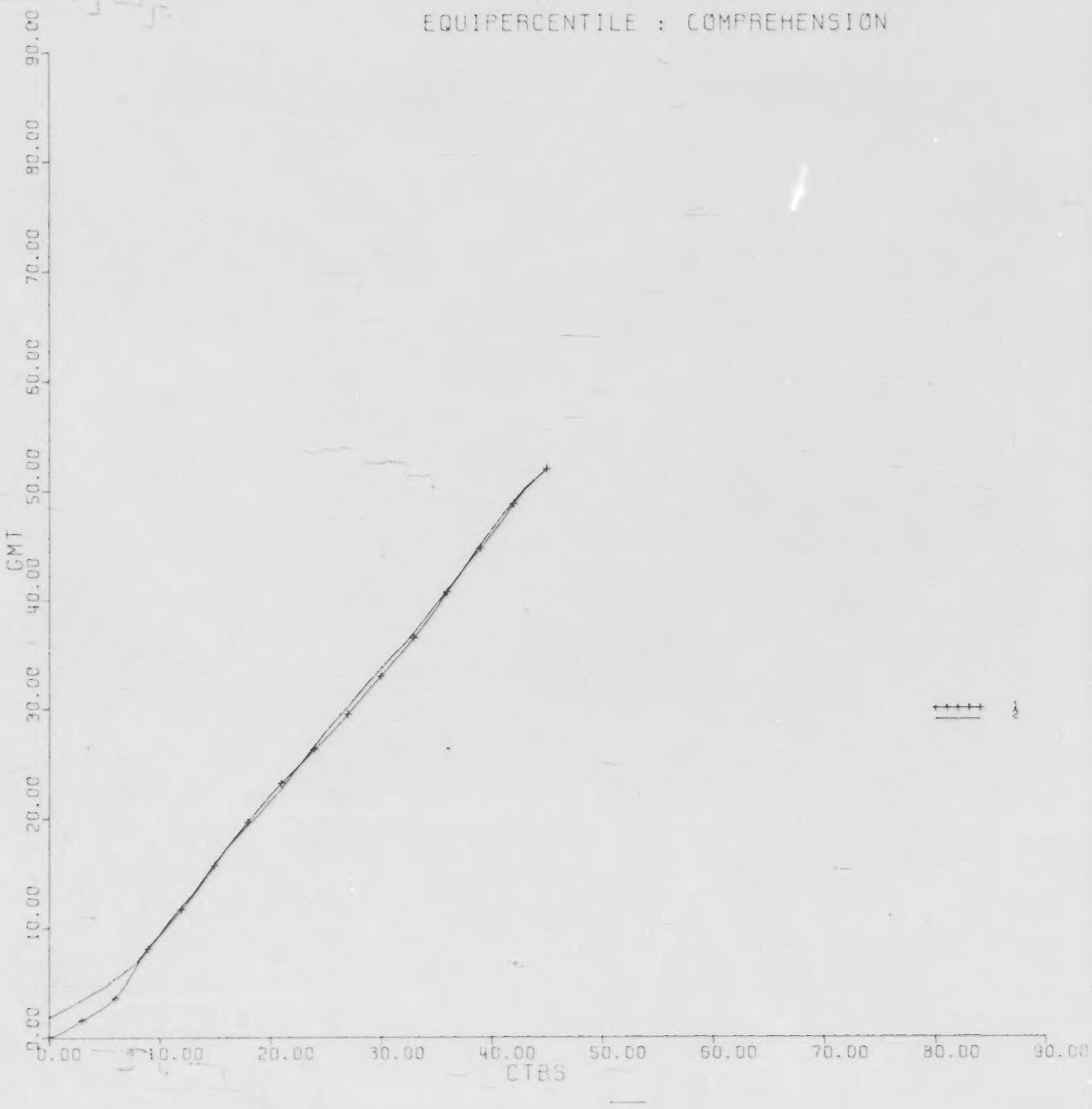
GRAPH 6069. ANCHOR TEST EQUATING STUDY: GRADE 4
PROC. 1 VS PROC. 2
EQUIPERCENTILE : COMPREHENSION



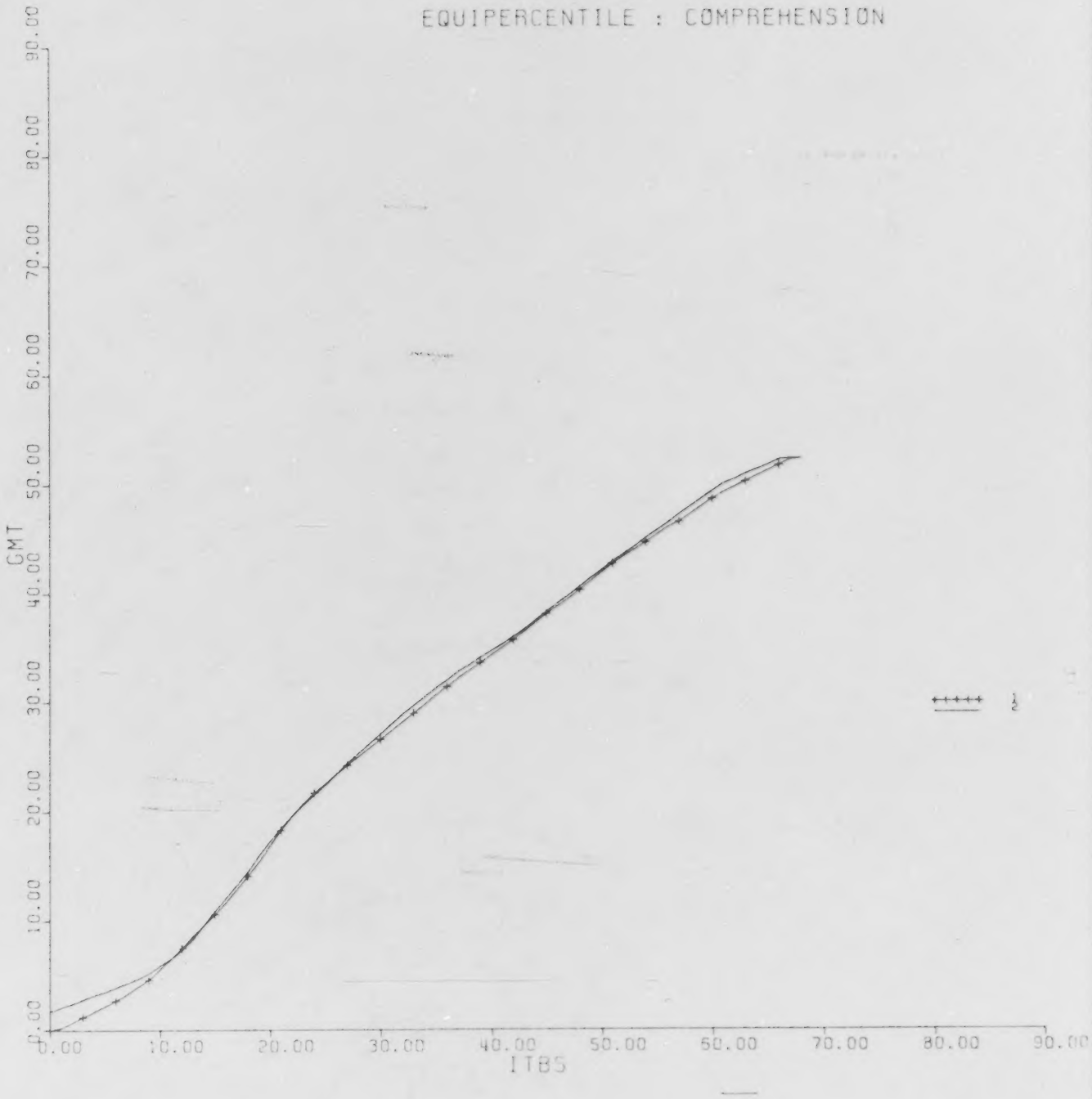
GRAPH 6070. ANCHOR TEST EQUATING STUDY: GRADE 4
PROC. 1 VS PROC. 2
EQUIPERCENTILE : COMPREHENSION



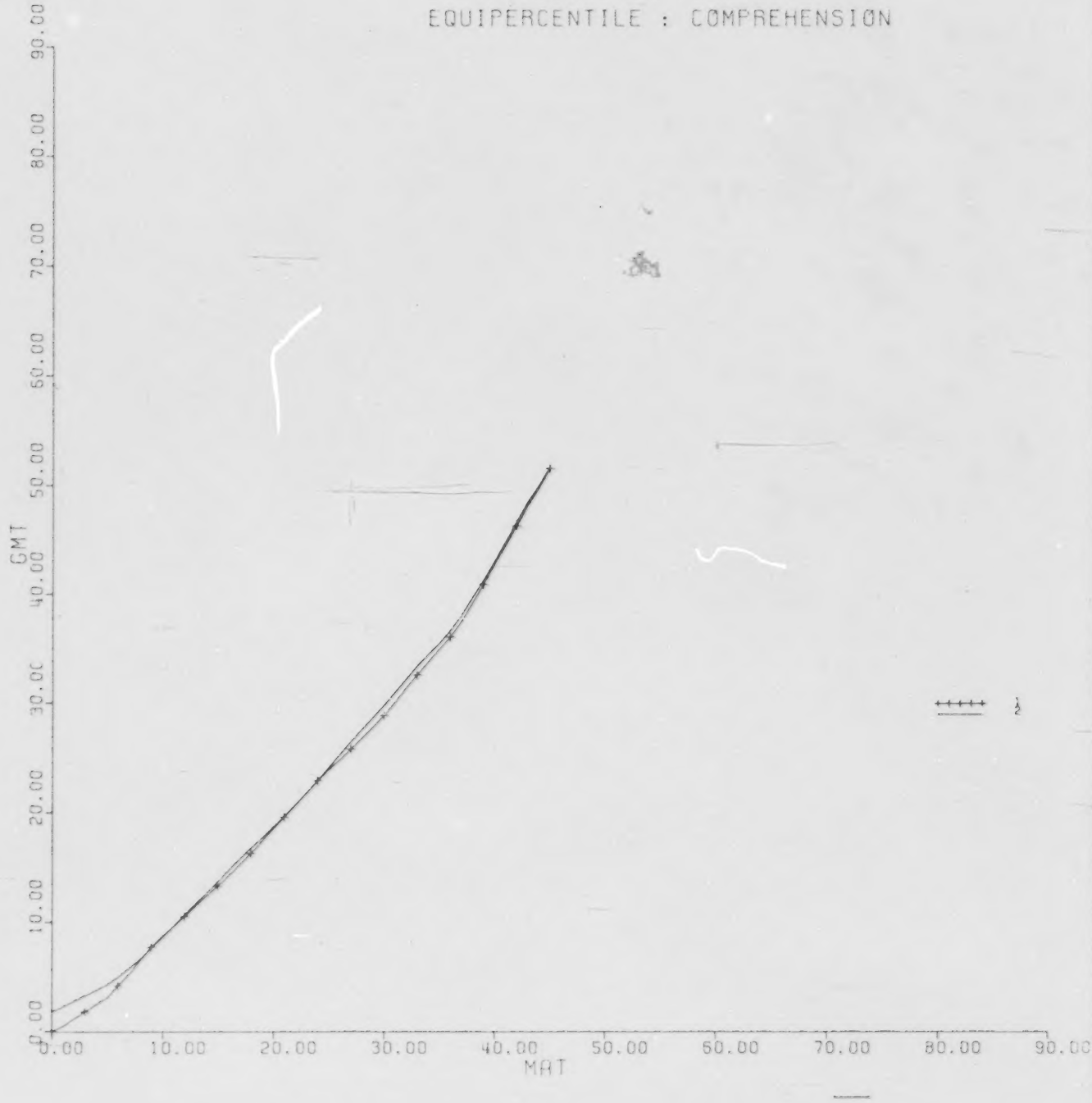
GRAPH 6071. ANCHOR TEST EQUATING STUDY: GRADE 4
PROC. 1 VS PROC. 2
EQUIPERCENTILE : COMPREHENSION



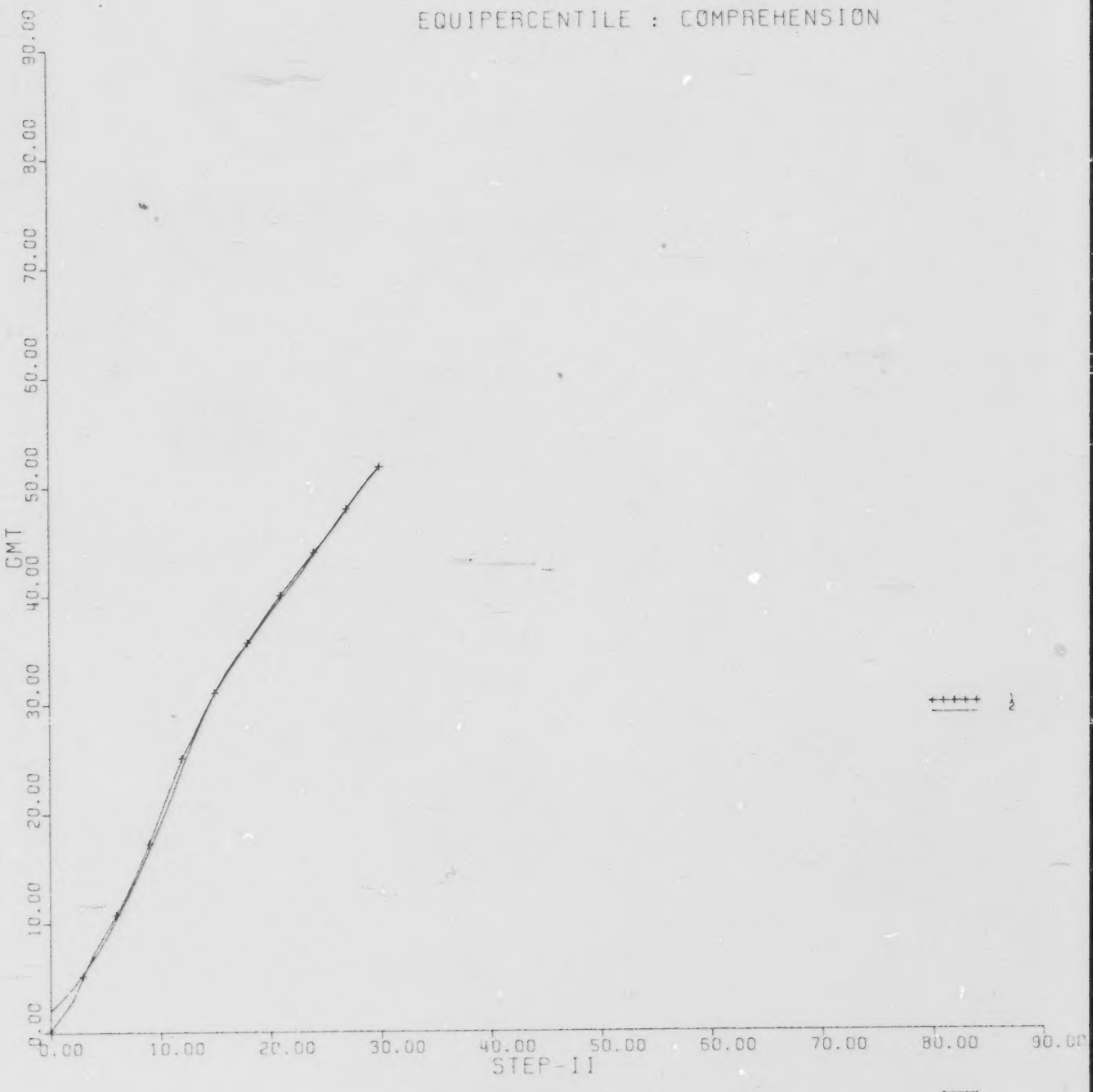
GRAPH 6072. ANCHOR TEST EQUATING STUDY: GRADE 4
PROC. 1 VS PROC. 2
EQUIPERCENTILE : COMPREHENSION



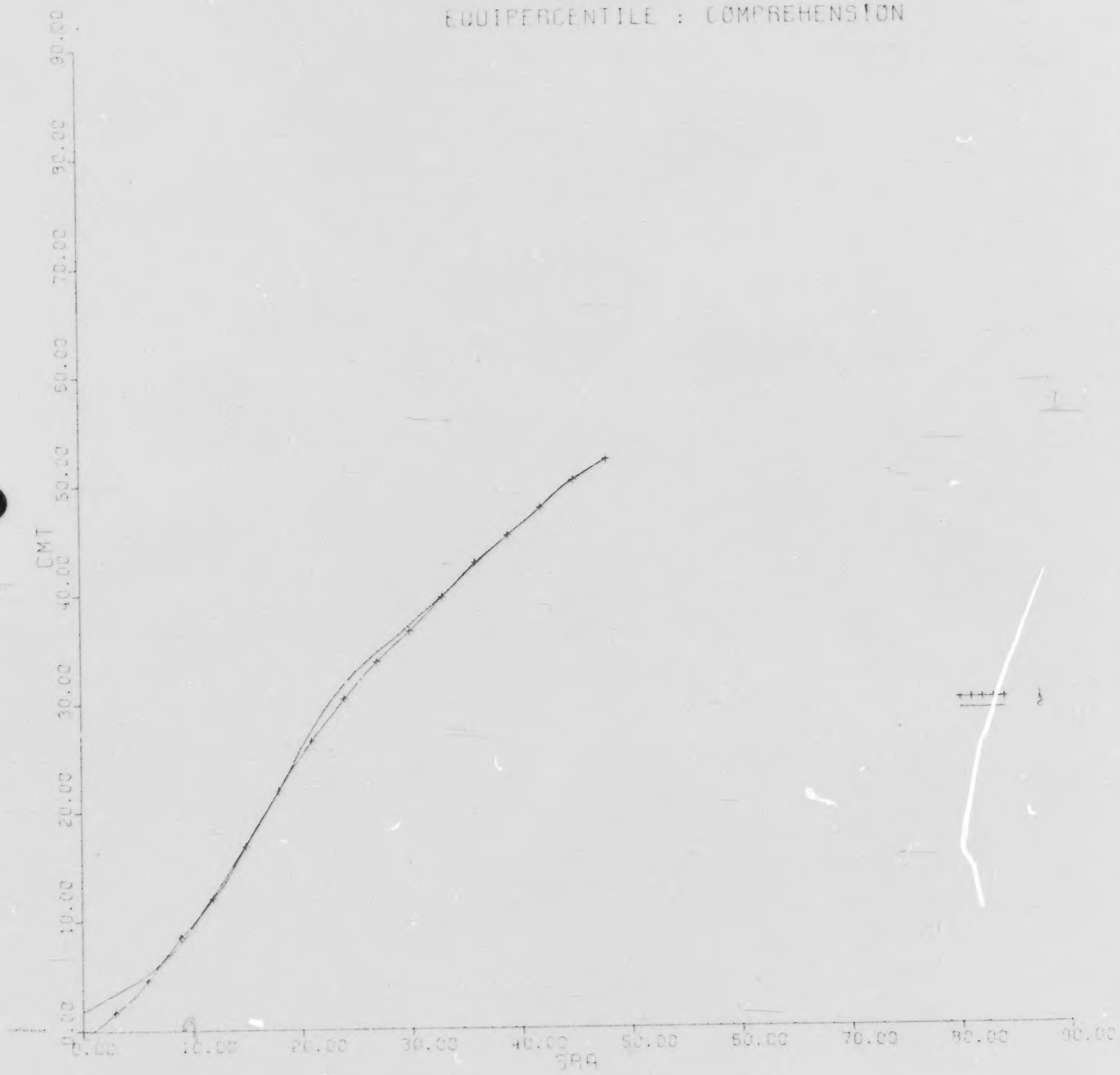
GRAPH 6073. ANCHOR TEST EQUATING STUDY: GRADE 4
PROC. 1 VS PROC. 2
EQUIPERCENTILE : COMPREHENSION



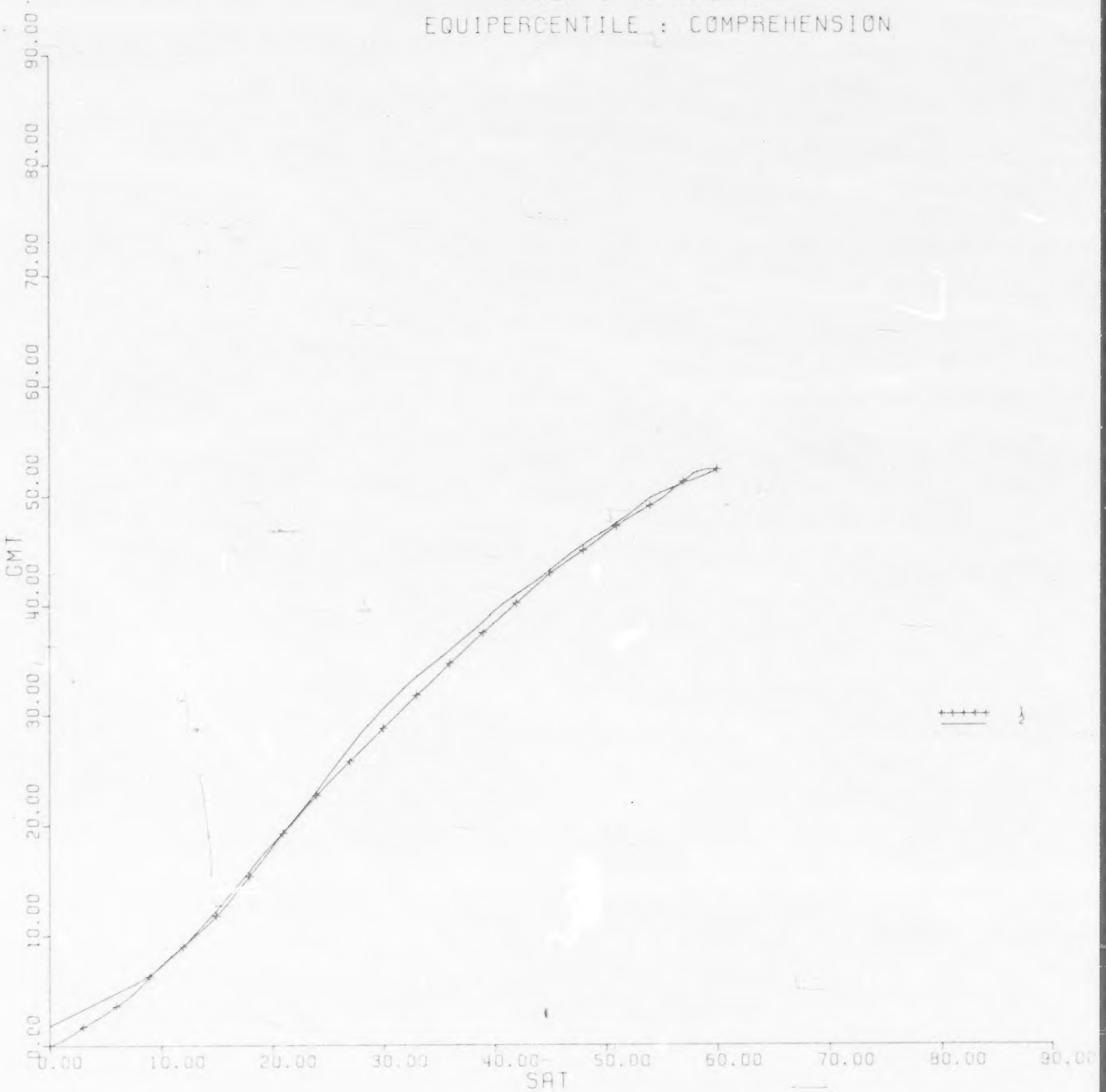
GRAPH 6074. ANCHOR TEST EQUATING STUDY: GRADE 4
PROC. 1 VS PROC. 2
EQUIPERCENTILE : COMPREHENSION



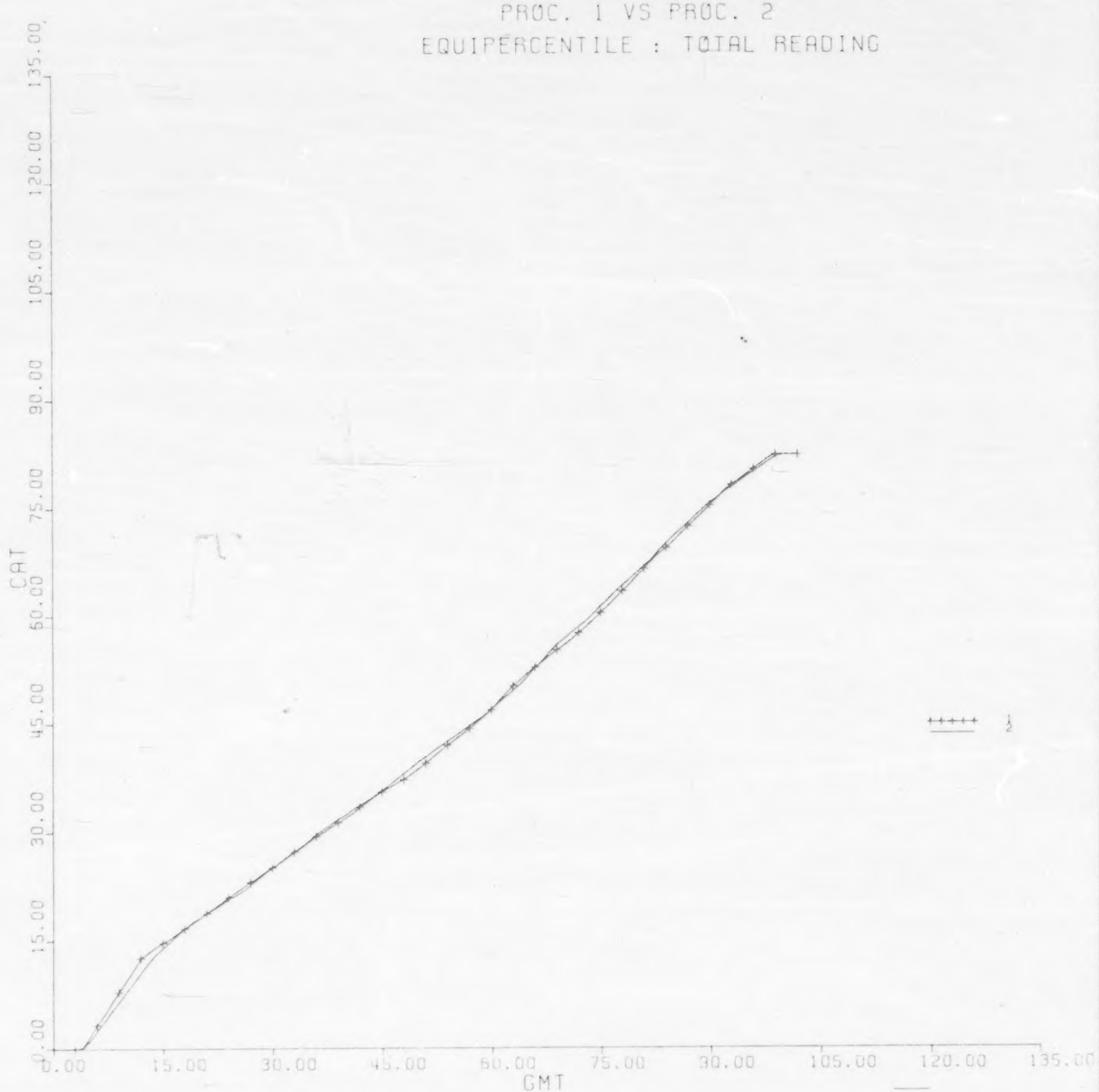
GRAPH 6075. - ANCHOR TEST EQUATING STUDY: GRADE 4
PROC. 1 VS PROC. 2
EQUIPERCENTILE : COMPREHENSION



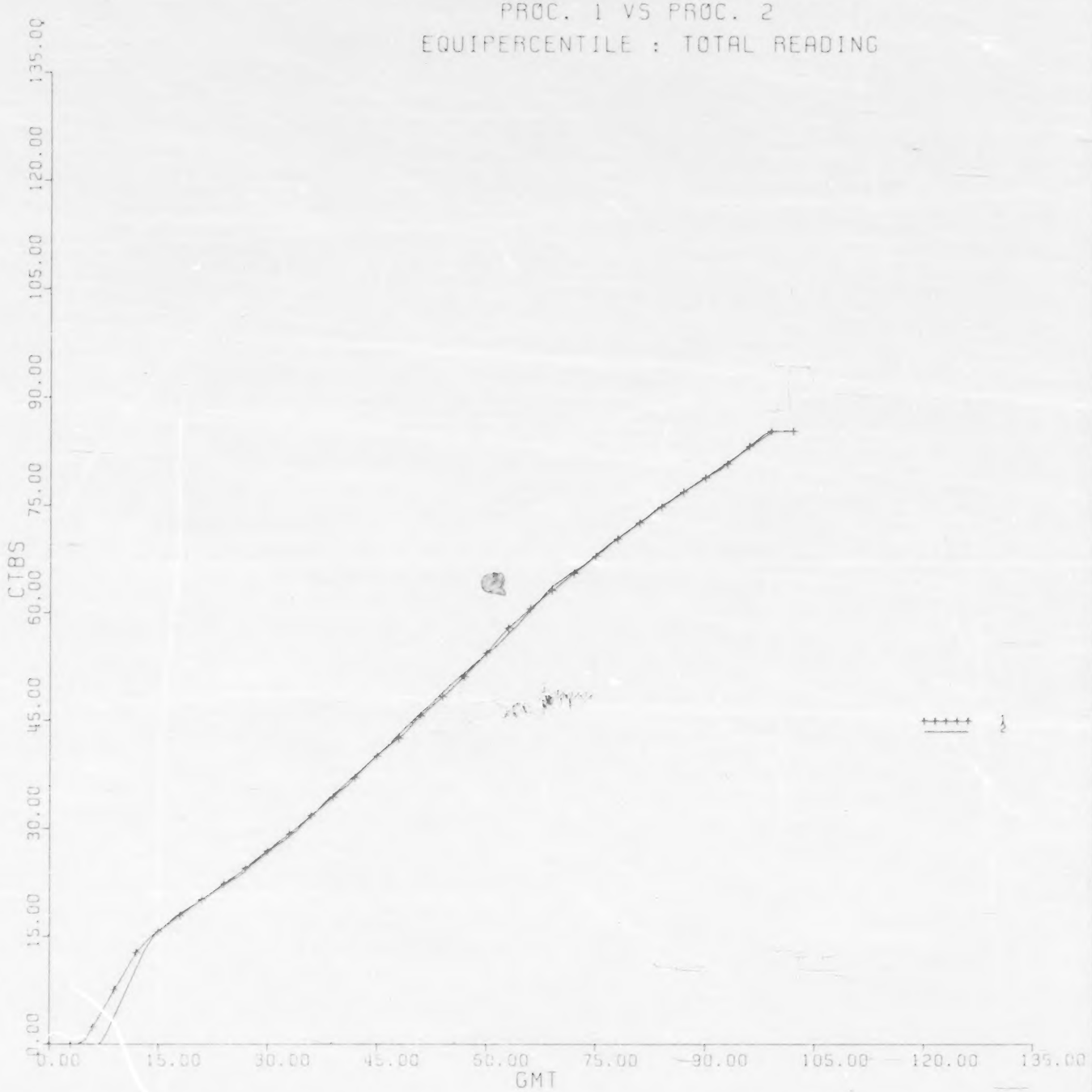
GRAPH 6076. ANCHOR TEST EQUATING STUDY: GRADE 4
PROC. 1 VS PROC. 2
EQUIPERCENTILE : COMPREHENSION



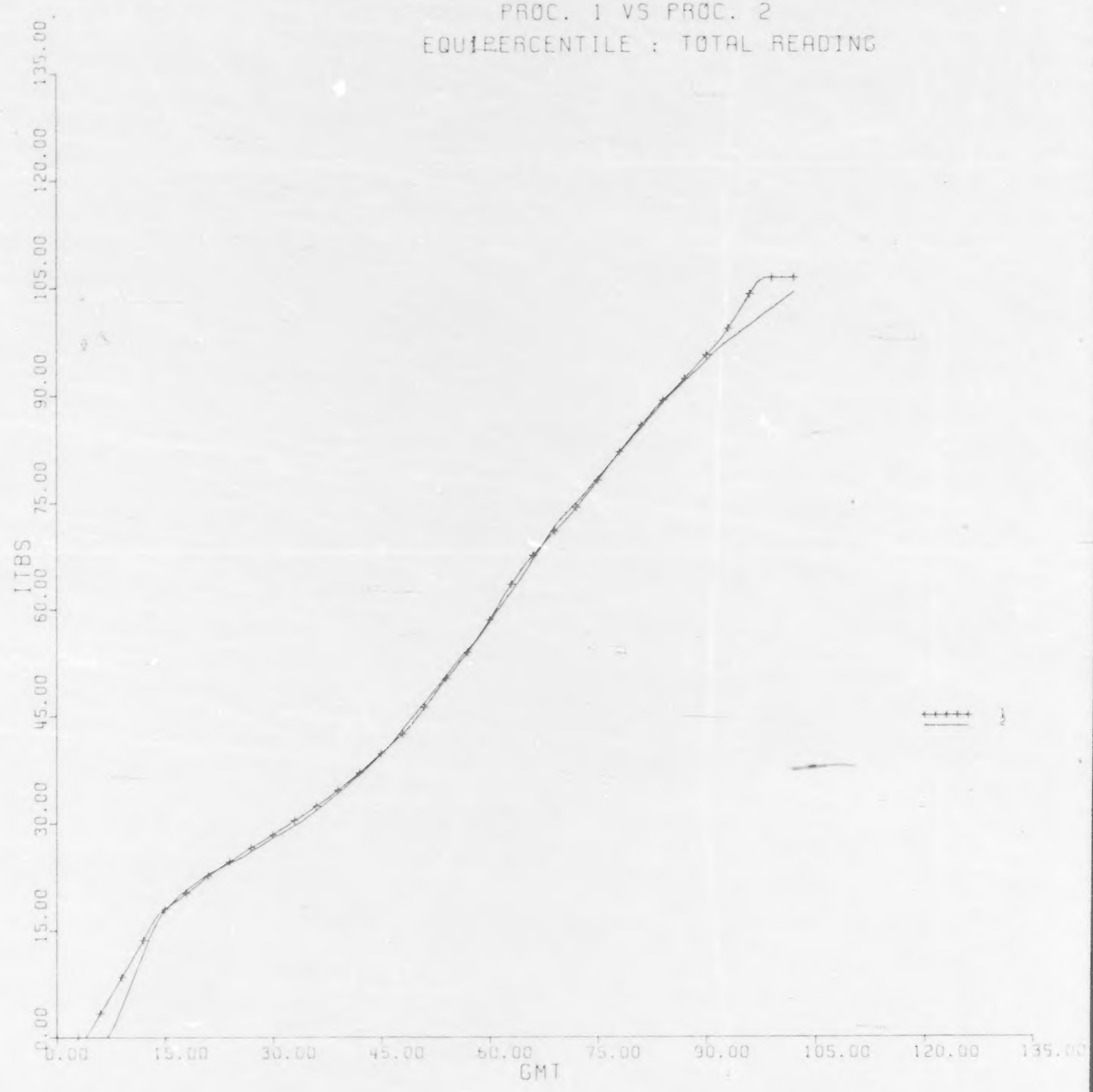
GRAPH 6077. ANCHOR TEST EQUATING STUDY: GRADE 4
PROC. 1 VS PROC. 2
EQUIPERCENTILE : TOTAL READING



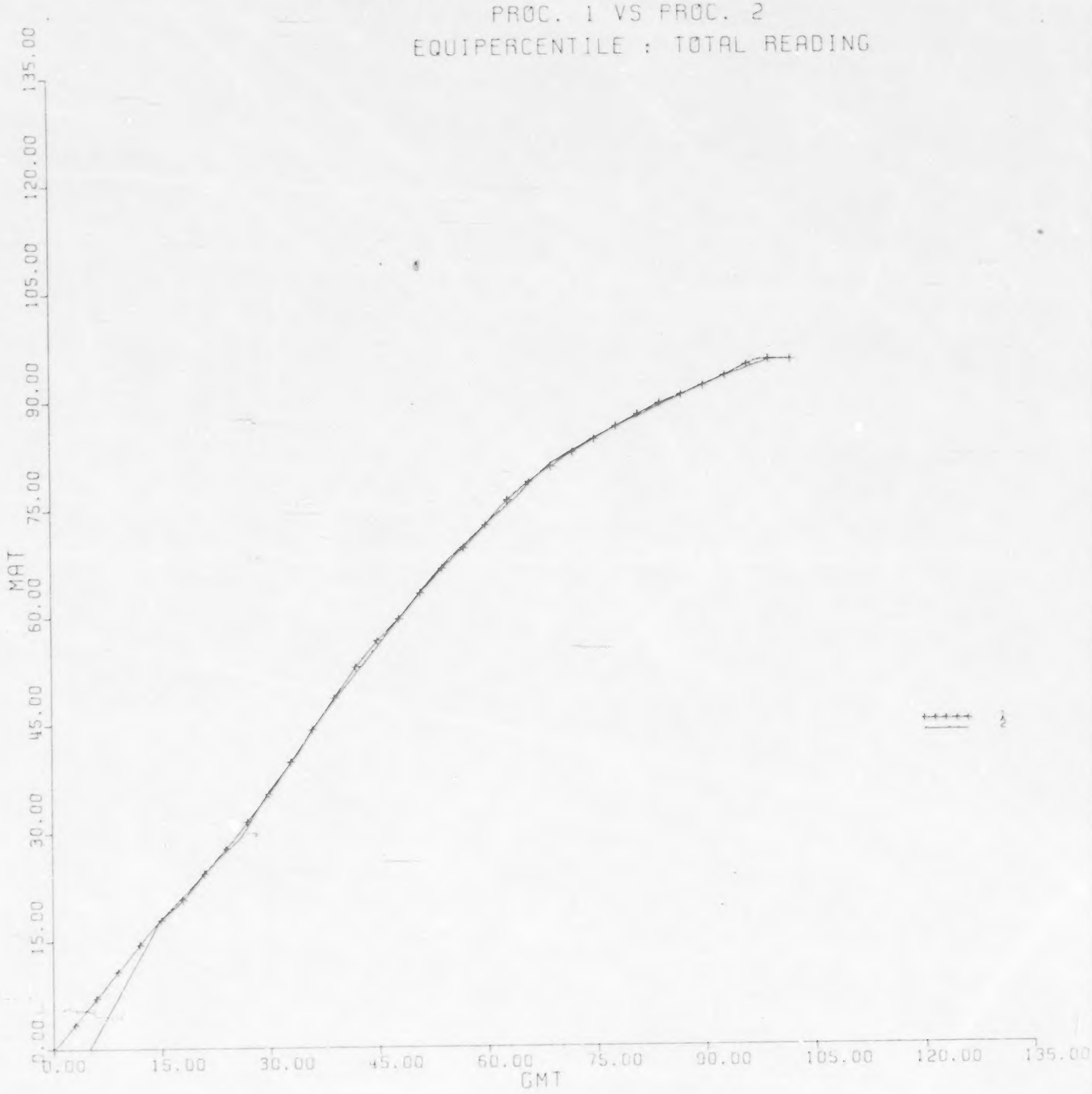
GRAPH 6078. ANCHOR TEST EQUATING STUDY: GRADE 4
PROC. 1 VS PROC. 2
EQUIPERCENTILE : TOTAL READING



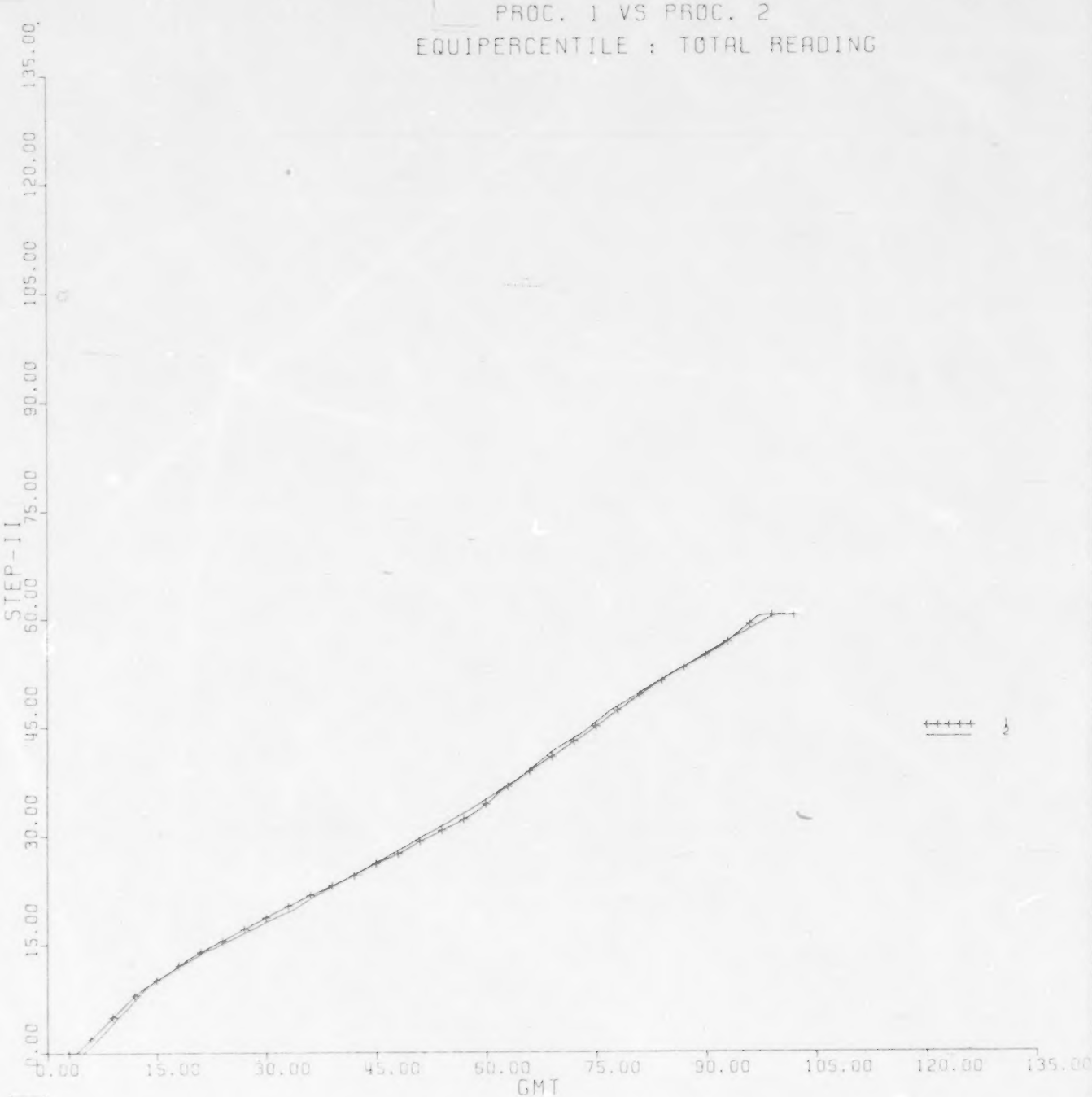
GRAPH 6079. ANCHOR TEST EQUATING STUDY: GRADE 4
PROC. 1 VS PROC. 2
EQUIPERCENTILE : TOTAL READING



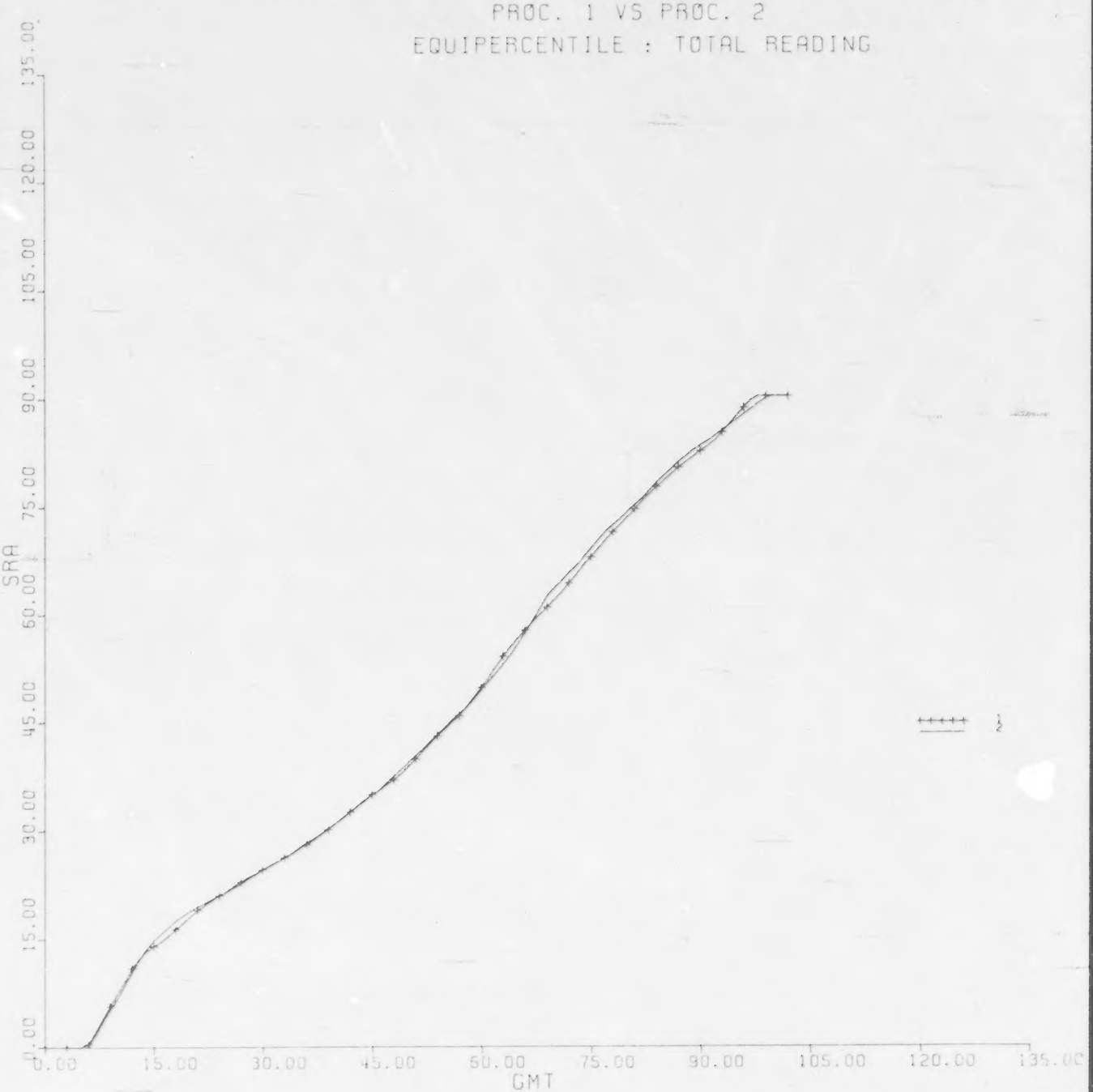
GRAPH 6080. ANCHOR TEST EQUATING STUDY: GRADE 4
PROC. 1 VS PROC. 2
EQUIPERCENTILE : TOTAL READING



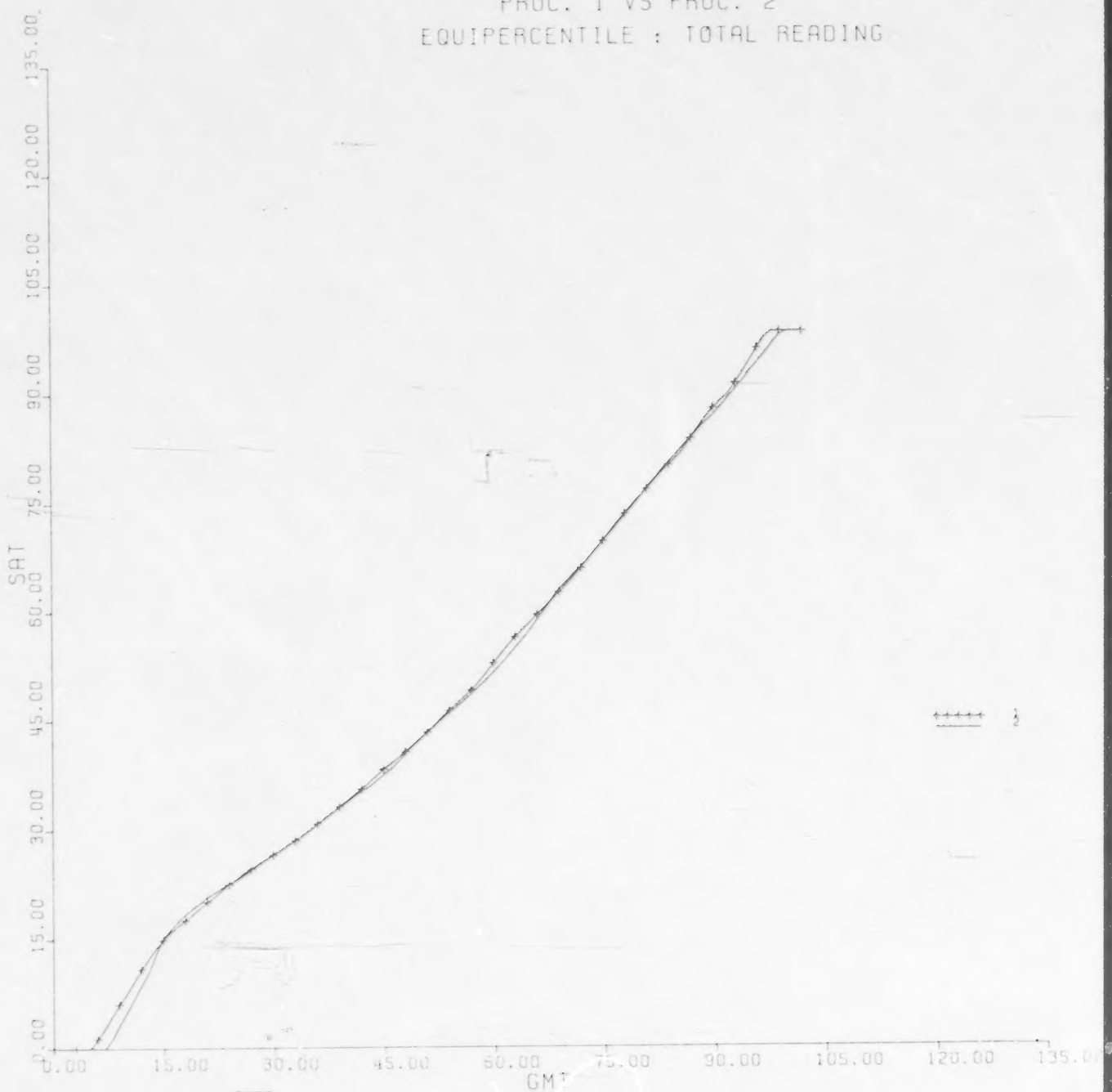
GRAPH 6081. ANCHOR TEST EQUATING STUDY: GRADE 4
PROC. 1 VS PROC. 2
EQUIPERCENTILE : TOTAL READING



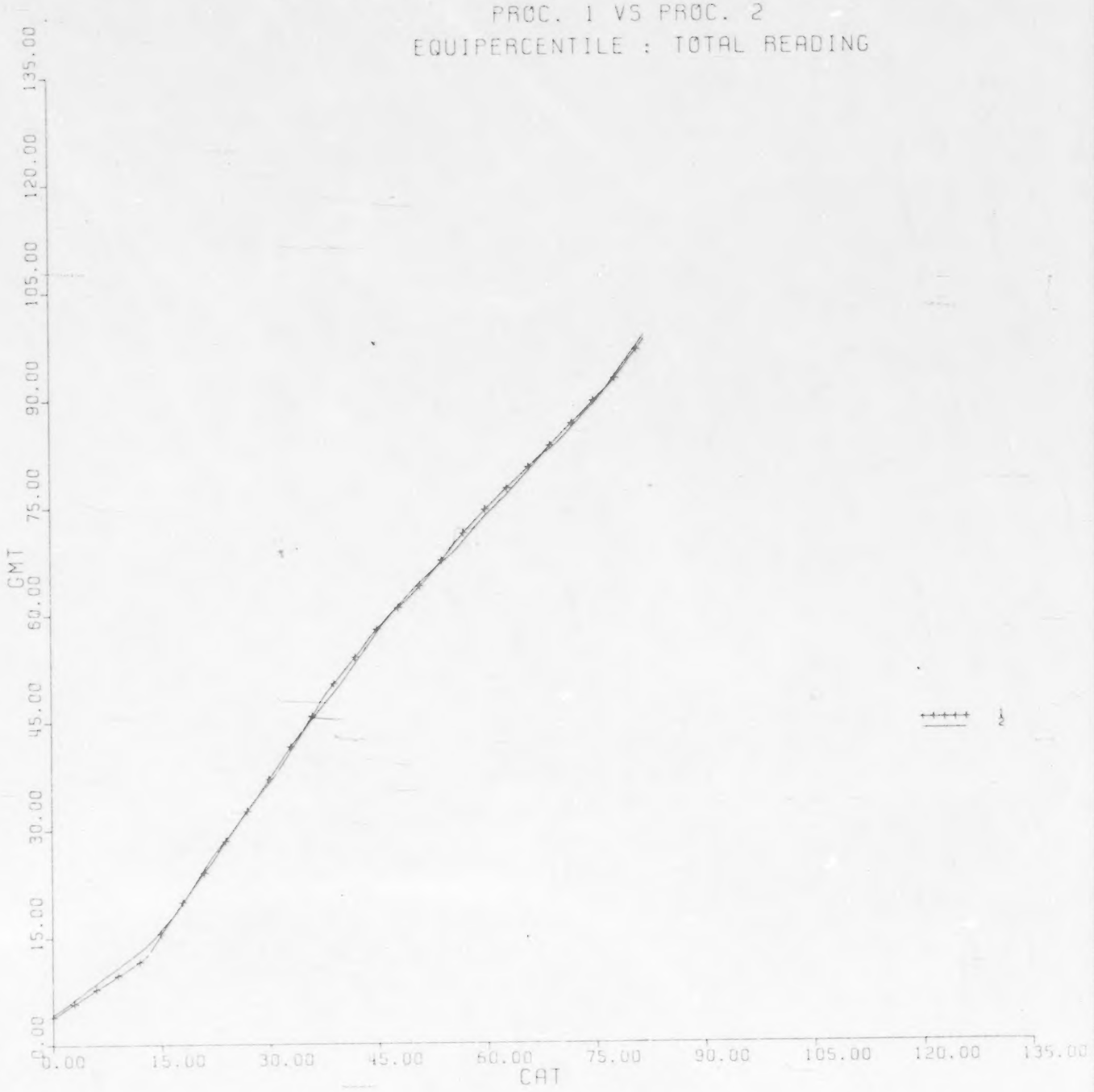
GRAPH 6082. — ANCHOR TEST EQUATING STUDY: GRADE 4
PROC. 1 VS PROC. 2
EQUIPERCENTILE : TOTAL READING



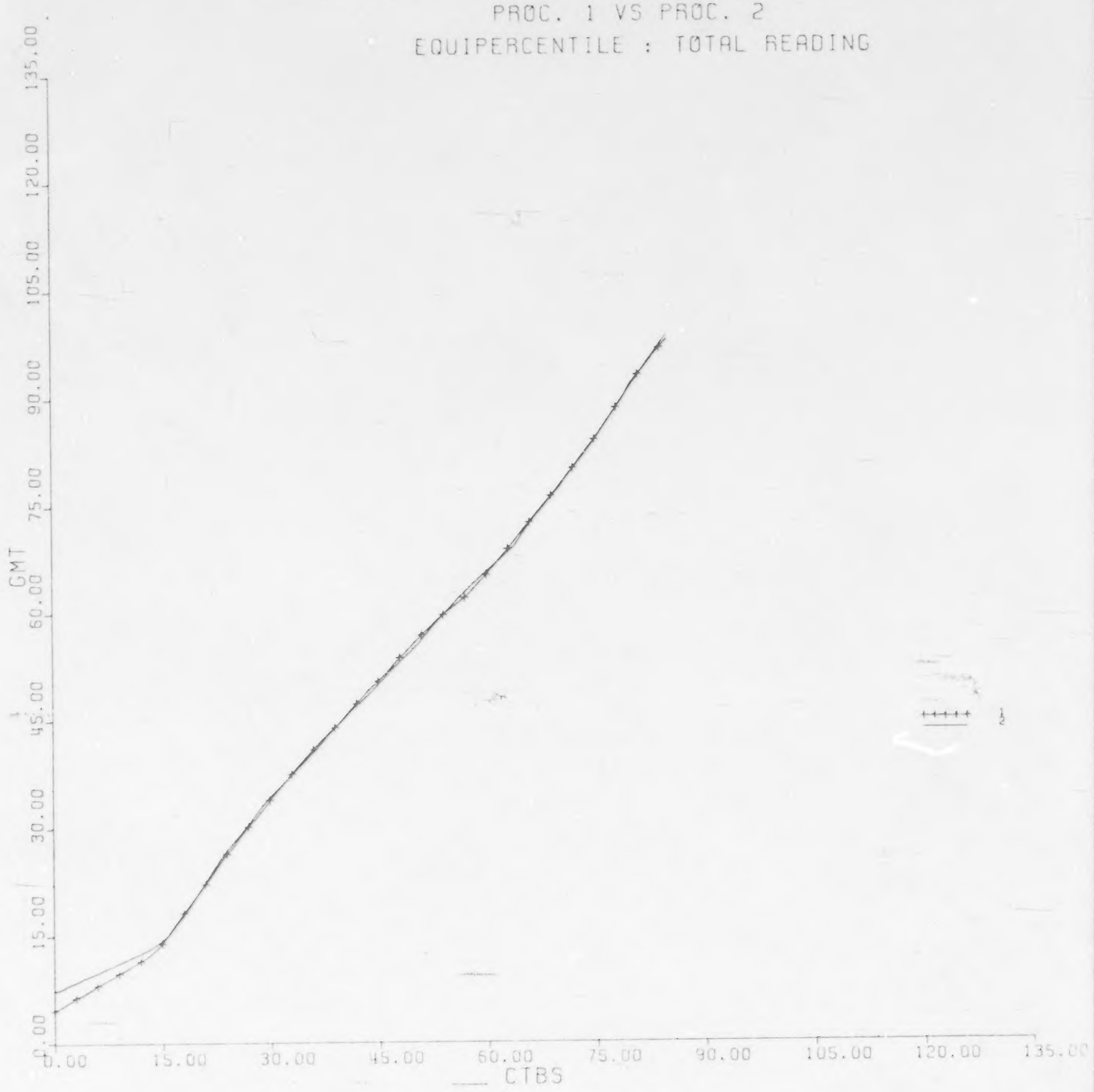
GRAPH 6083. ANCHOR TEST EQUATING STUDY: GRADE 4
PROC. 1 VS PROC. 2
EQUIPERCENTILE : TOTAL READING



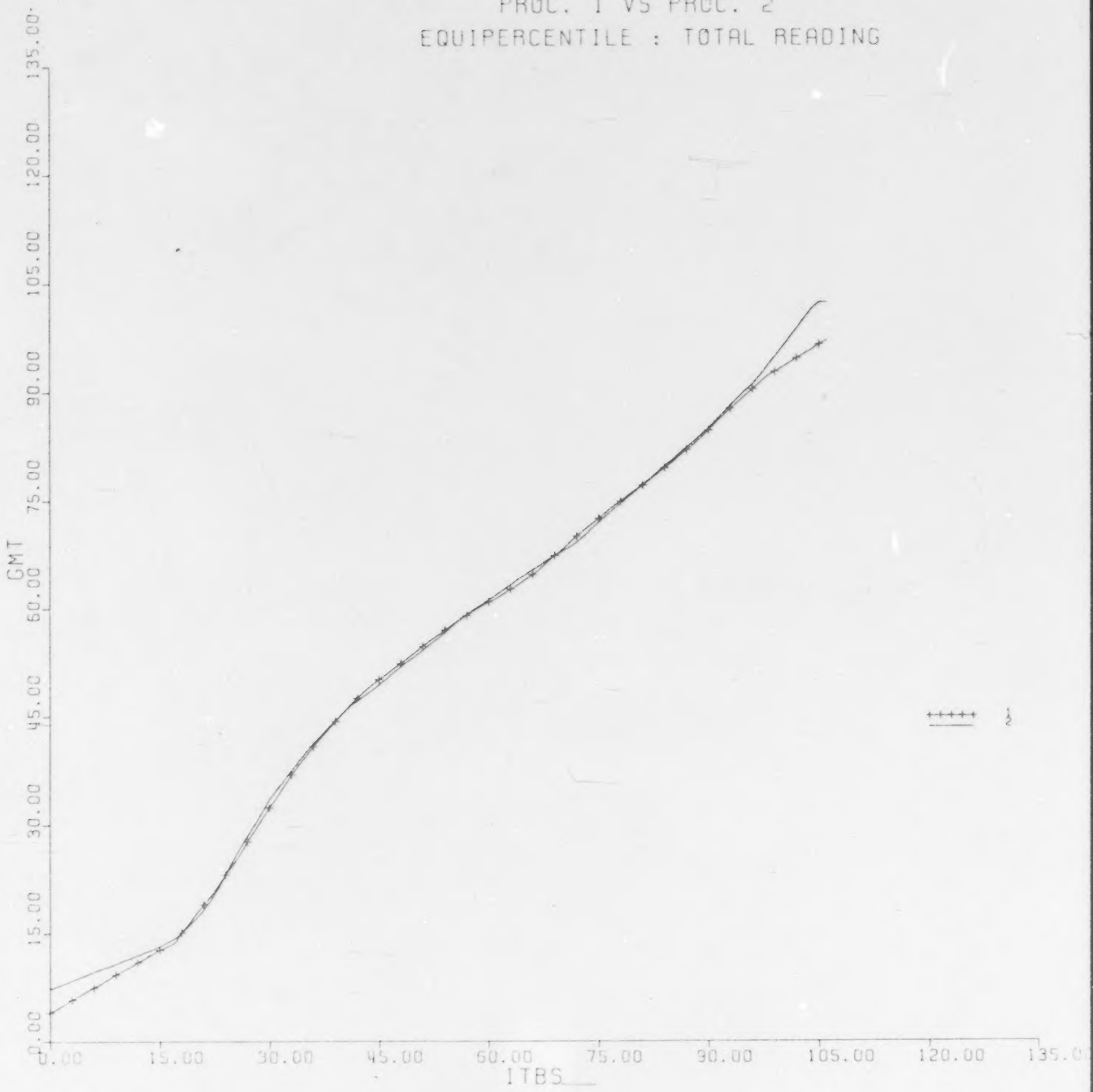
GRAPH 6084. ANCHOR TEST EQUATING STUDY: GRADE 4
PROC. 1 VS PROC. 2
EQUIPERCENTILE : TOTAL READING



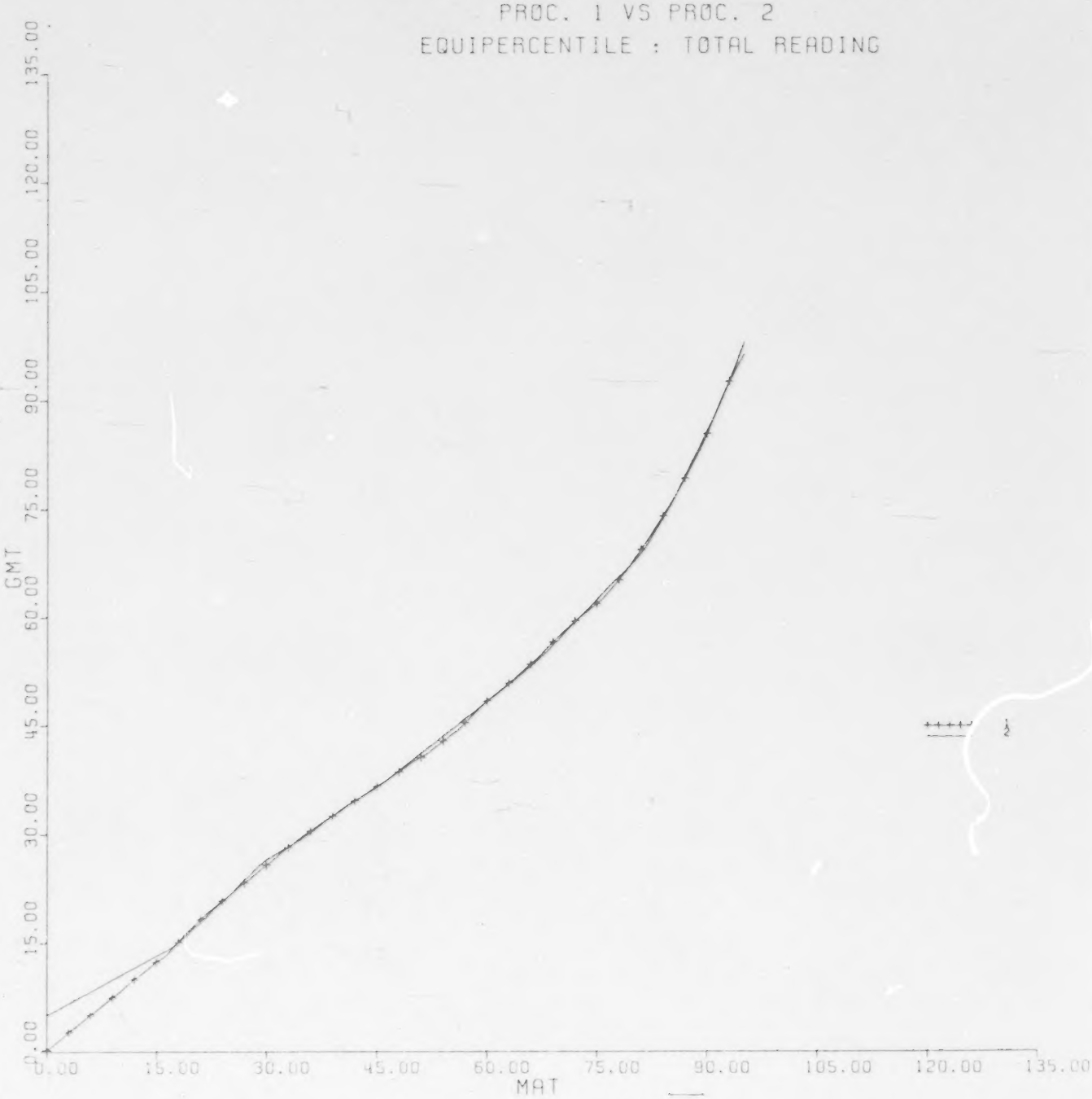
GRAPH 6085. ANCHOR TEST EQUATING STUDY: GRADE 4
PROC. 1 VS PROC. 2
EQUIPERCENTILE : TOTAL READING



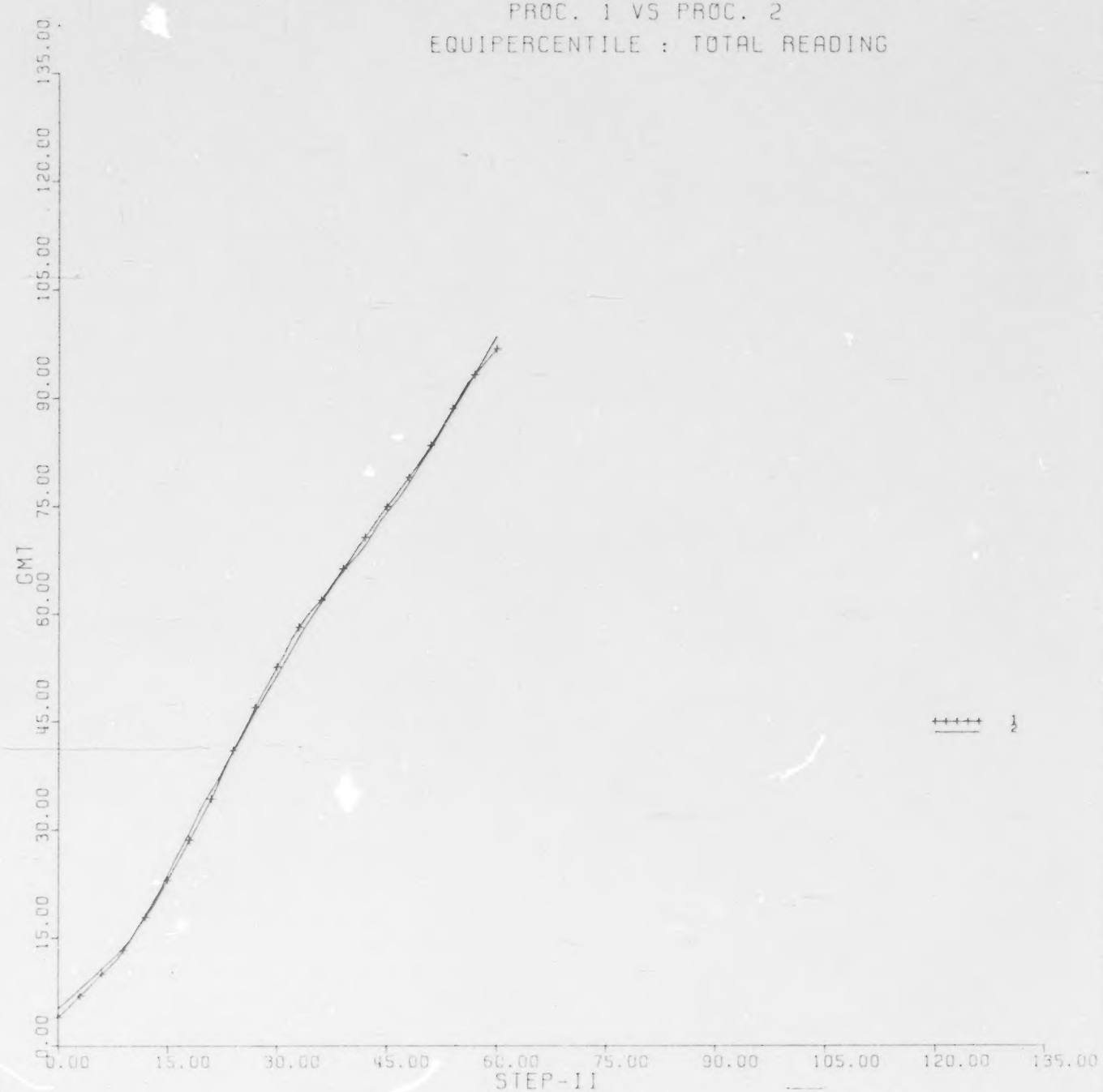
GRAPH 6086. ANCHOR TEST EQUATING STUDY: GRADE 4
PROC. 1 VS PROC. 2
EQUIPERCENTILE : TOTAL READING



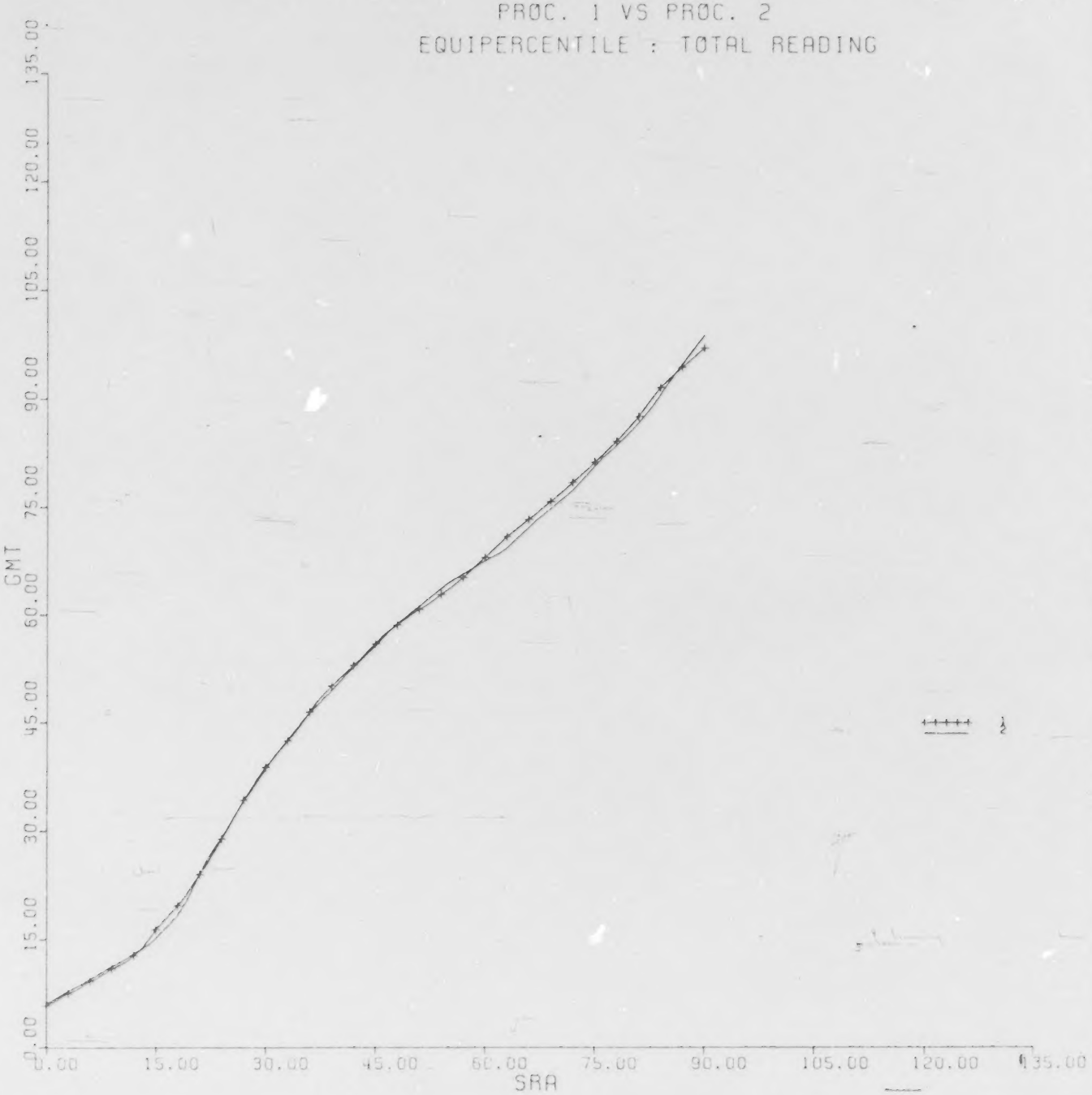
GRAPH 6087. ANCHOR TEST EQUATING STUDY: GRADE 4
PROC. 1 VS PROC. 2
EQUIPERCENTILE : TOTAL READING



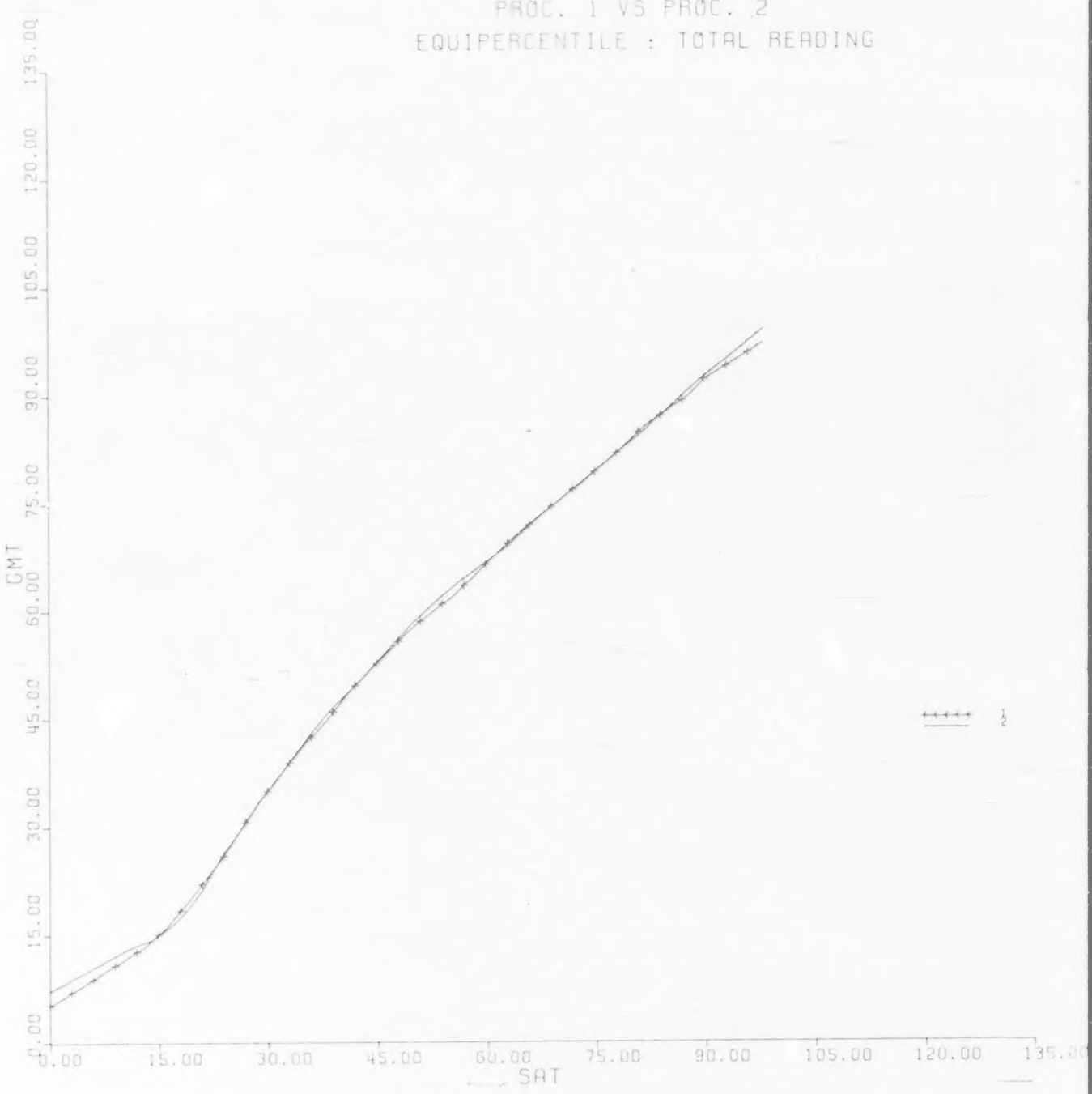
GRAPH 6088. ANCHOR TEST EQUATING STUDY: GRADE 4
PROC. 1 VS PROC. 2
EQUIPERCENTILE : TOTAL READING



GRAPH 6089. ANCHOR TEST EQUATING STUDY: GRADE 4
PROC. 1 VS PROC. 2
EQUIPERCENTILE : TOTAL READING



GRAPH 6090. ANCHOR TEST EQUATING STUDY: GRADE 4
PROC. 1 VS PROC. 2
EQUIPERCENTILE : TOTAL READING



ABBREVIATIONS, SYMBOLISMS, AND CROSS-REFERENCES
FOR THE ANCHOR TEST STUDY GRAPHS AT GRADE 5

Heading

Line 2:

(1) Proc. 1 —— Equating Procedure 1
(2) Proc. 2 —— Equating Procedure 2

Line 3:

(1) Equipercentile —— Equipercentile Equating Method
(2) Vocabulary —— Reading Vocabulary Subtest
(3) Comprehension —— Reading Comprehension Subtest
(4) Total Reading —— Total Reading Test

Axes

Abscissa:

(1) CAT —— California Achievement Tests, Reading, 1970 Edition, Level 3, Form A, Raw Score Scale
(2) CTBS —— Comprehensive Tests of Basic Skills, Reading, 1968 Edition, Level 2, Form Q, Raw Score Scale
(3) ITBS —— Iowa Test of Basic Skills, Reading, 1971 Edition, Level 11, Form 5, Raw Score Scale
(4) MAT —— Metropolitan Achievement Tests, Reading, 1970 Edition, Intermediate, Form F, Raw Score Scale
(5) STEP II —— Sequential Tests of Educational Progress Series II, Reading, 1969 Edition, Level 4, Form A, Raw Score Scale
(6) SRA —— SRA Achievement Series, Reading, 1971 Edition, Blue, Form E, Raw Score Scale
(7) SAT —— Stanford Achievement Test, Reading, 1964 Edition, Intermediate II, Form W, Raw Score Scale
(8) GMT —— Gates MacGinitie Reading Tests, 1964 Edition, Survey D, Form 1, Raw Score Scale

Ordinate:

same as abscissa

Legend

1 —— Equating Procedure 1
2 —— Equating Procedure 2

PROCEDURE COMPARISON GRAPHS: GRADE 5
(Equating Procedure 1 vs. Equating Procedure 2)

VOCABULARY

Reference Test*	Equated To	Graph Number	Equating Table Numbers
GMT	other 7 tests	6091 thru 6097	2267 and 2275
CAT	GMT	6098	2260 and 2268
CTBS	GMT	6099	2261 and 2269
ITBS	GMT	6100	2262 and 2270
MAT	GMT	6101	2263 and 2271
STEP II	GMT	6102	2264 and 2272
SRA	GMT	6103	2265 and 2273
SAT	GMT	6104	2266 and 2274

READING COMPREHENSION

Reference Test*	Equated To	Graph Number	Equating Table Numbers
GMT	other 7 tests	6105 thru 6111	2291 and 2299
CAT	GMT	6112	2284 and 2292
CTBS	GMT	6113	2285 and 2293
ITBS	GMT	6114	2286 and 2294
MAT	GMT	6115	2287 and 2295
STEP II	GMT	6116	2288 and 2296
SRA	GMT	6117	2289 and 2297
SAT	GMT	6118	2290 and 2298

TOTAL READING

Reference Test*	Equated To	Graph Number	Equating Table Numbers
GMT	other 7 tests	6119 thru 6125	2315 and 2323
CAT	GMT	6126	2308 and 2316
CTBS	GMT	6127	2309 and 2317
ITBS	GMT	6128	2310 and 2318
MAT	GMT	6129	2311 and 2319
STEP II	GMT	6130	2312 and 2320
SRA	GMT	6131	2313 and 2321
SAT	GMT	6132	2314 and 2322

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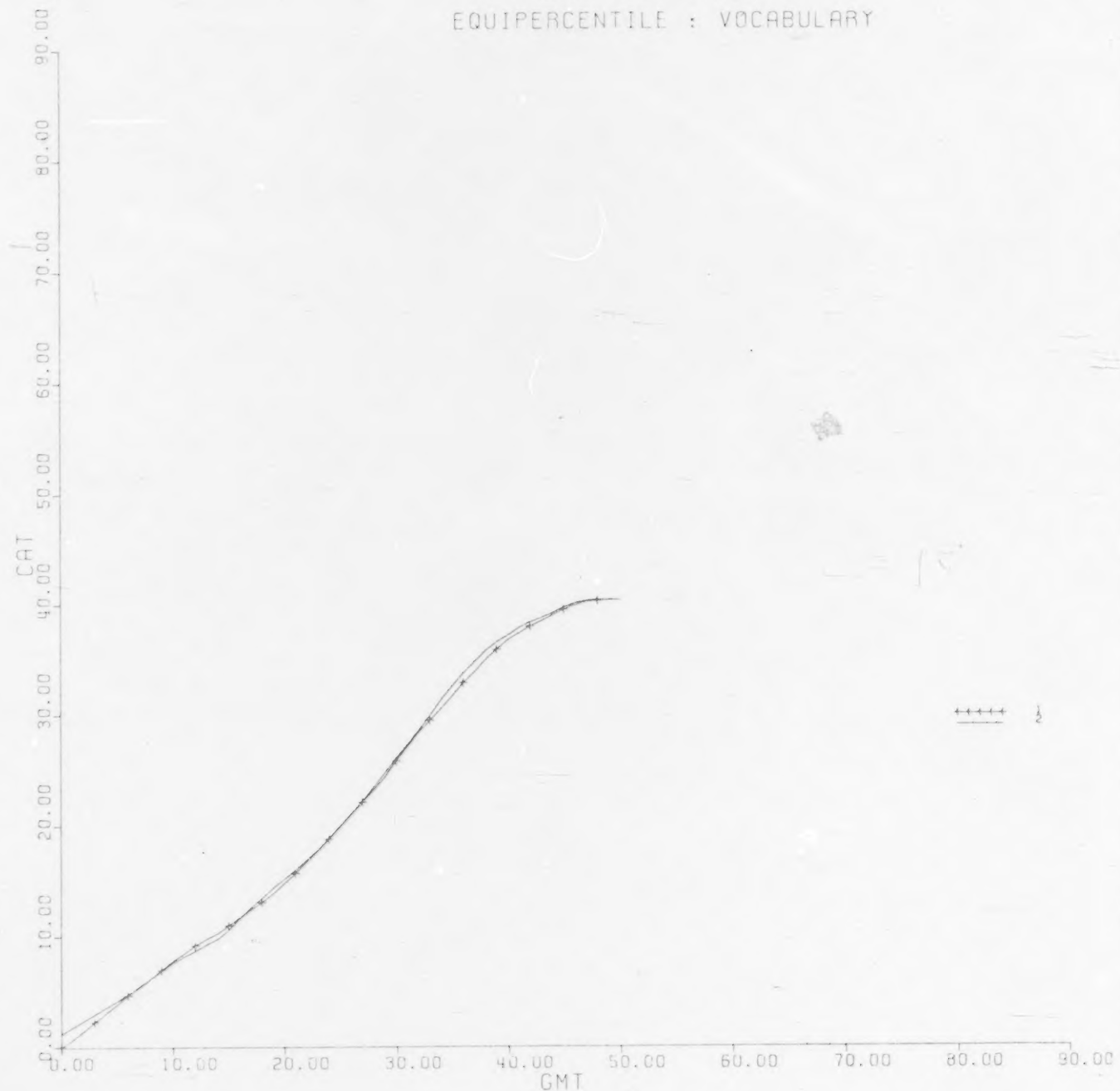
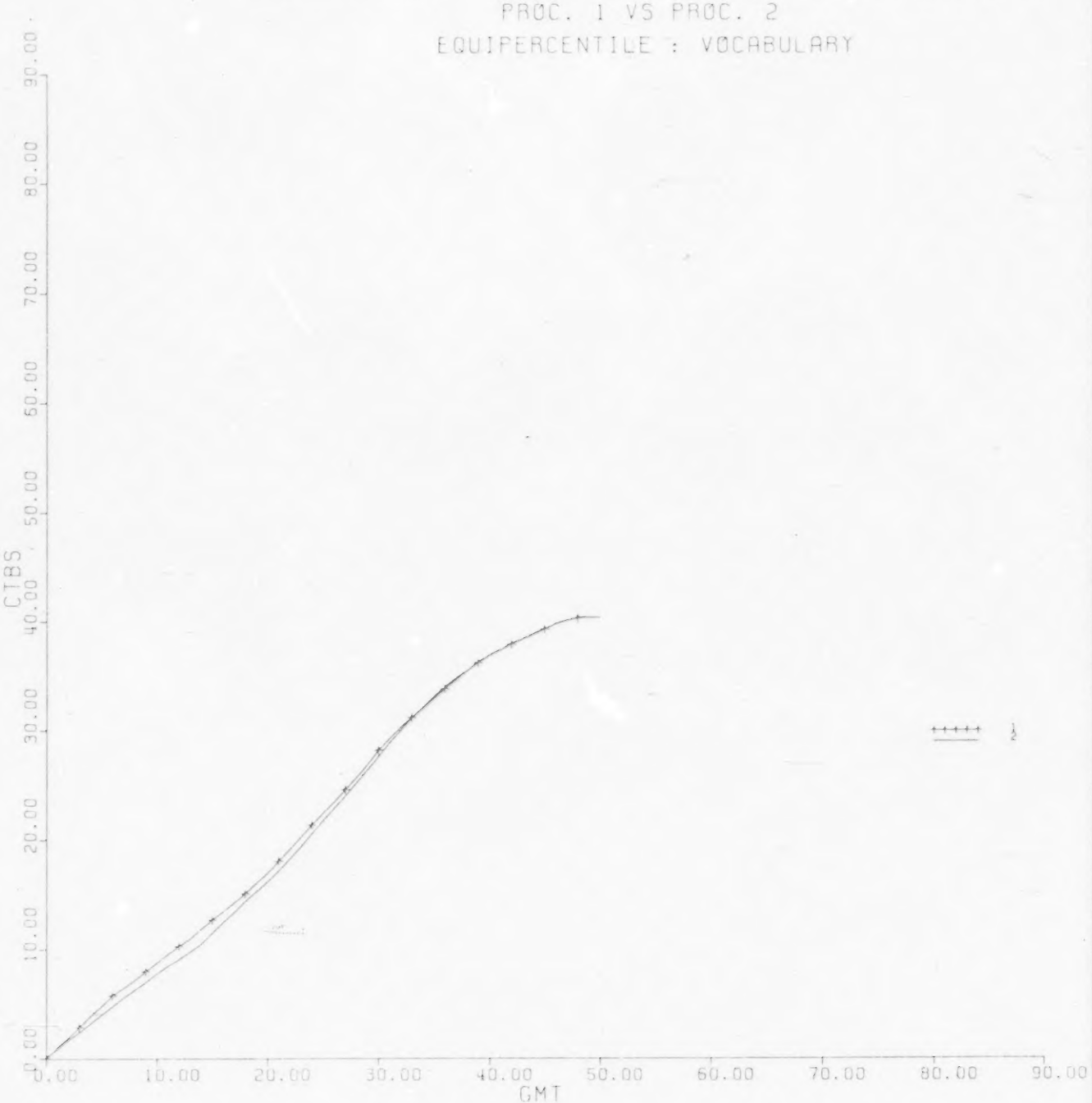
* The reference test appears as the abscissa and is the test equated to the one shown as the ordinate. In the case of the GMT, it appears as the abscissa of 7 graphs, each showing the equating lines of the GMT equated to one of the other tests. For the other seven tests, only the graphs showing the equating lines of each test equated to the GMT are given. The graphs showing the equating lines of each of these seven tests, when equated to each other, are given in the Anchor Test Study Report, Volume VII.

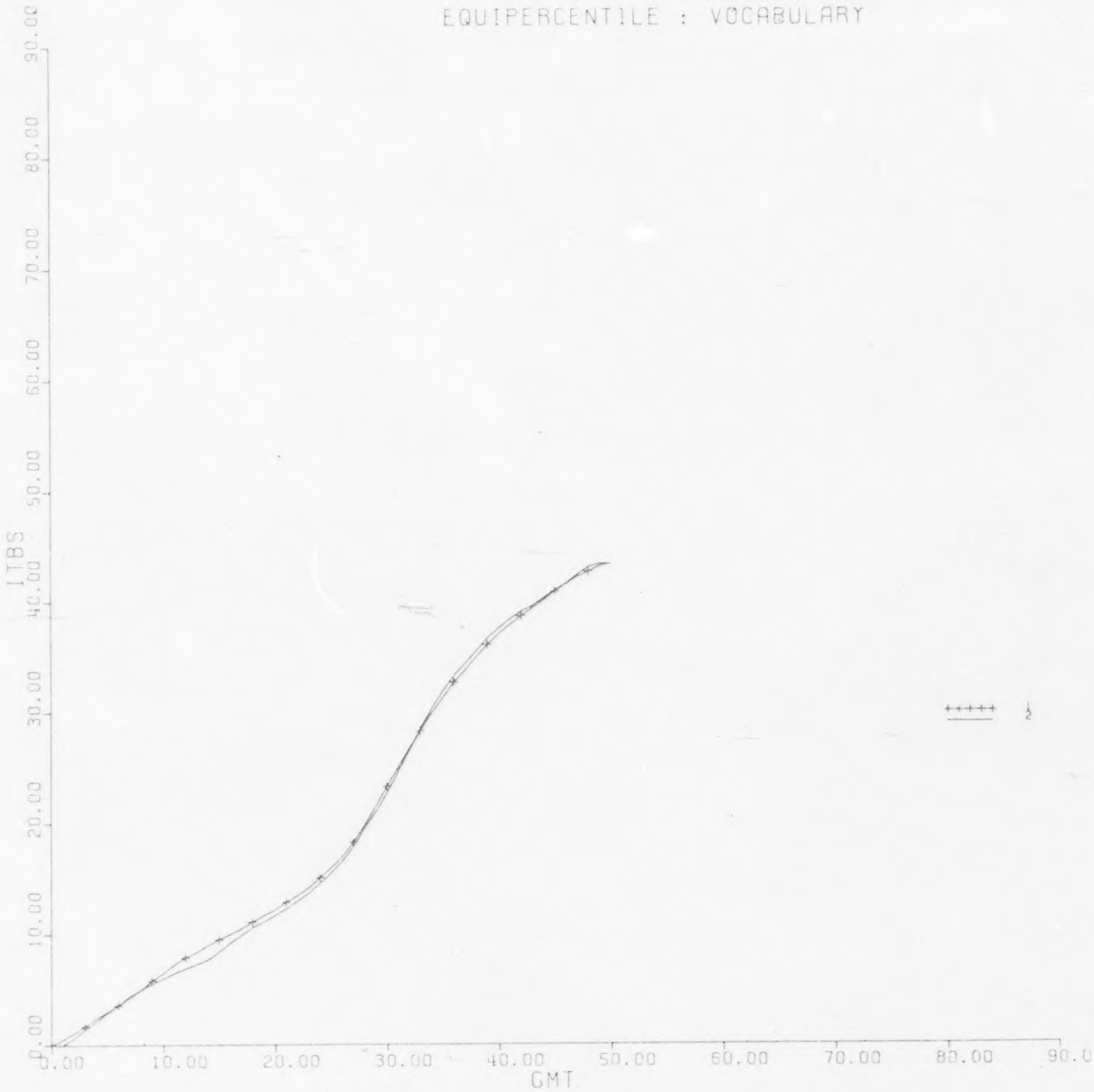
GRAPH 6091. ANCHOR TEST EQUATING STUDY: GRADE 5
PROC. 1 VS PROC. 2
EQUIPERCENTILE : VOCABULARY



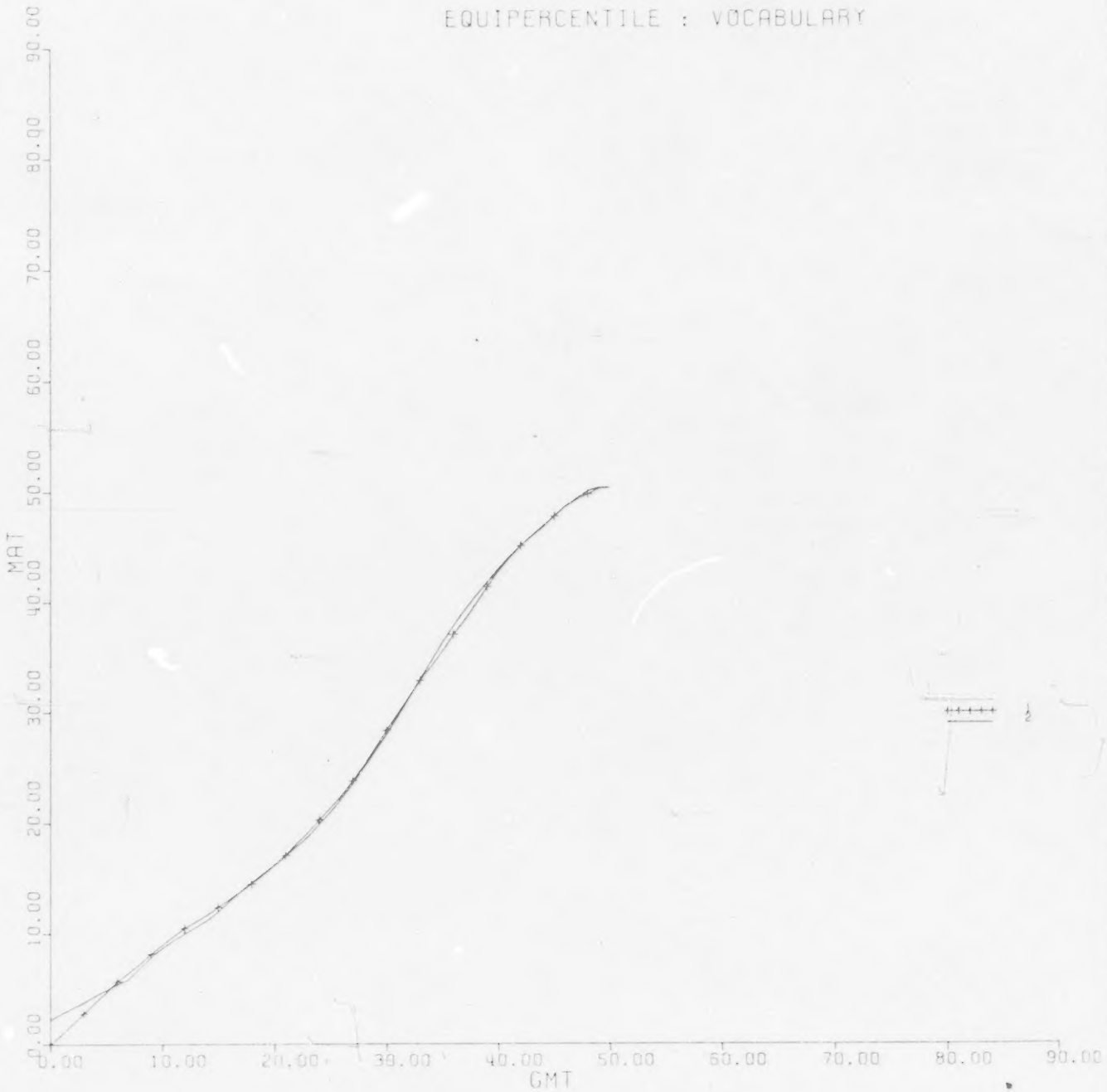
GRAPH 6092. ANCHOR TEST EQUATING STUDY: GRADE 5
PROC. 1 VS PROC. 2
EQUIPERCENTILE : VOCABULARY



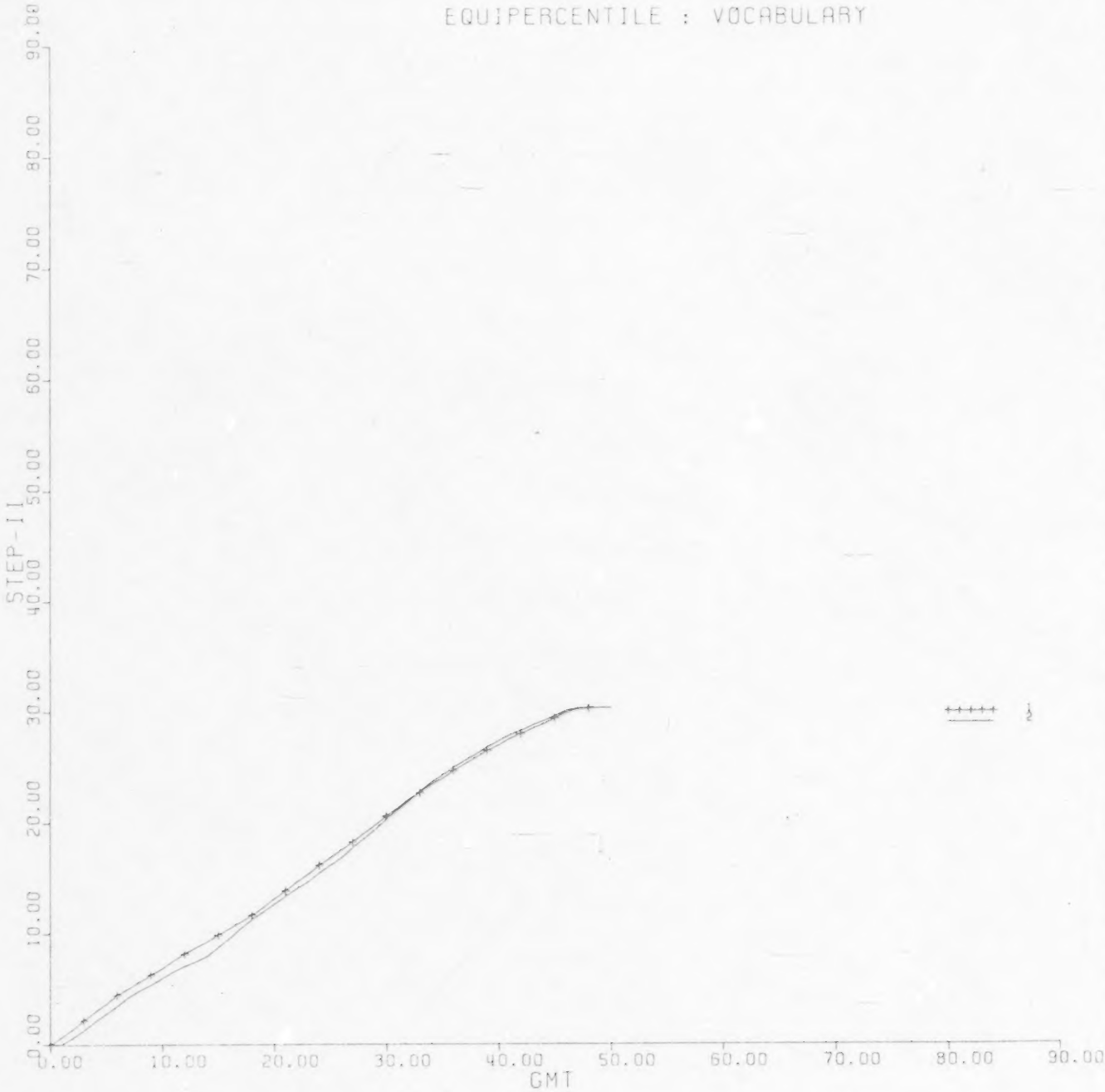
GRAPH 6093. ANCHOR TEST EQUATING STUDY: GRADE 5
PROC. 1 VS PROC. 2
EQUIPERCENTILE : VOCABULARY



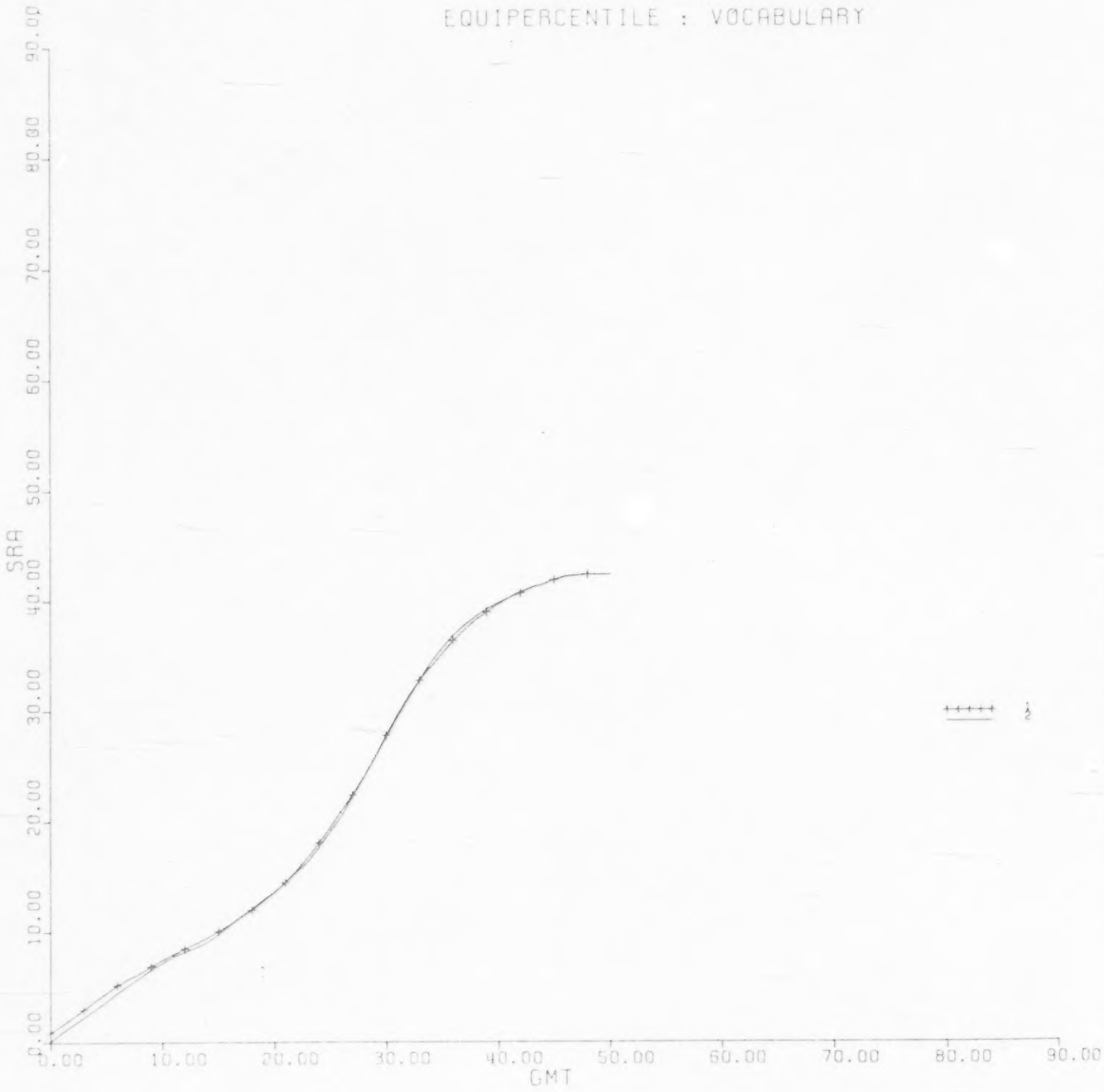
GRAPH 6094. ANCHOR TEST EQUATING STUDY: GRADE 5
PROC. 1 VS PROC. 2
EQUIPERCENTILE : VOCABULARY



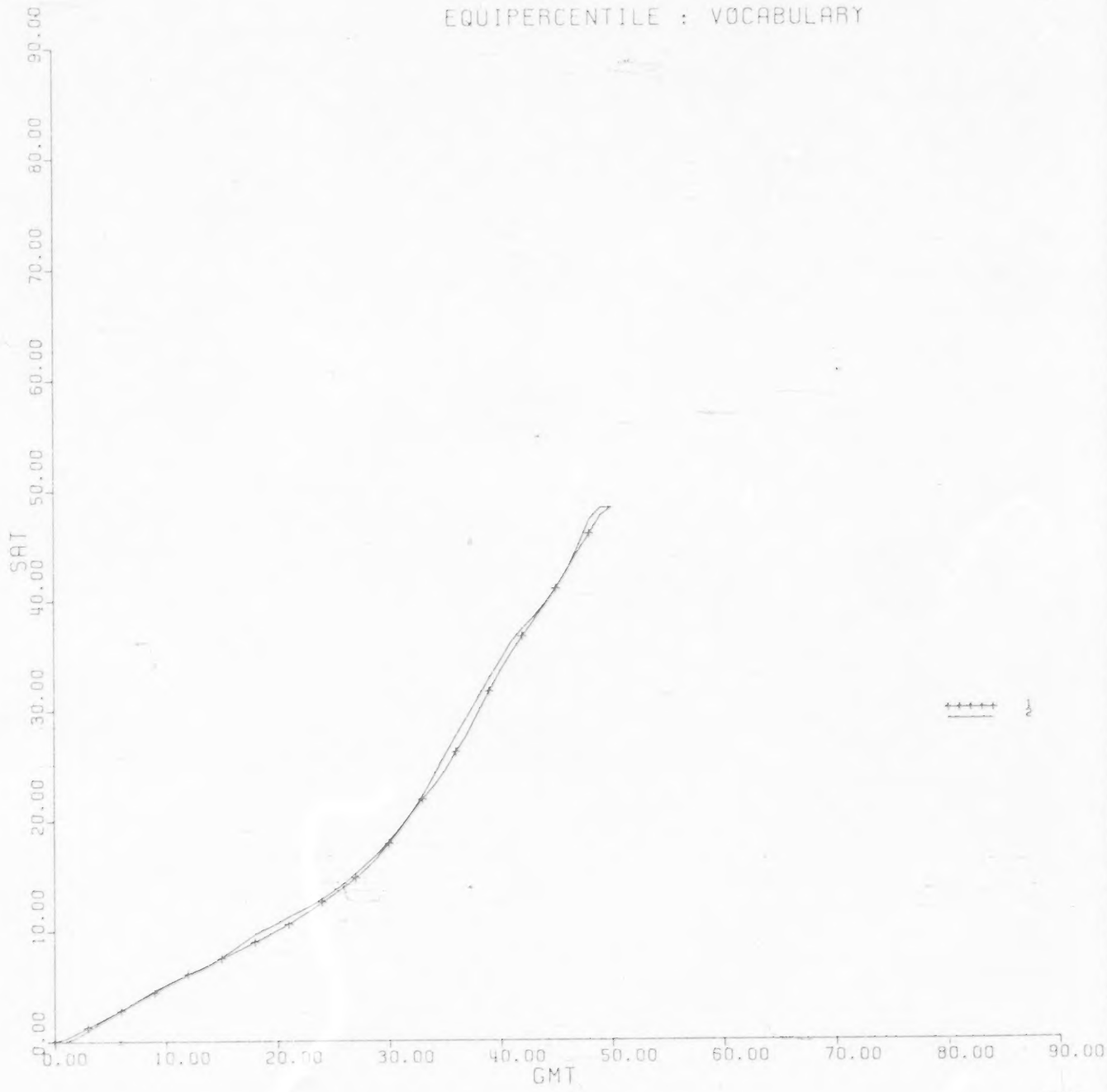
GRAPH 6095. ANCHOR TEST EQUATING STUDY: GRADE 5
PROC. 1 VS PROC. 2
EQUIPERCENTILE : VOCABULARY



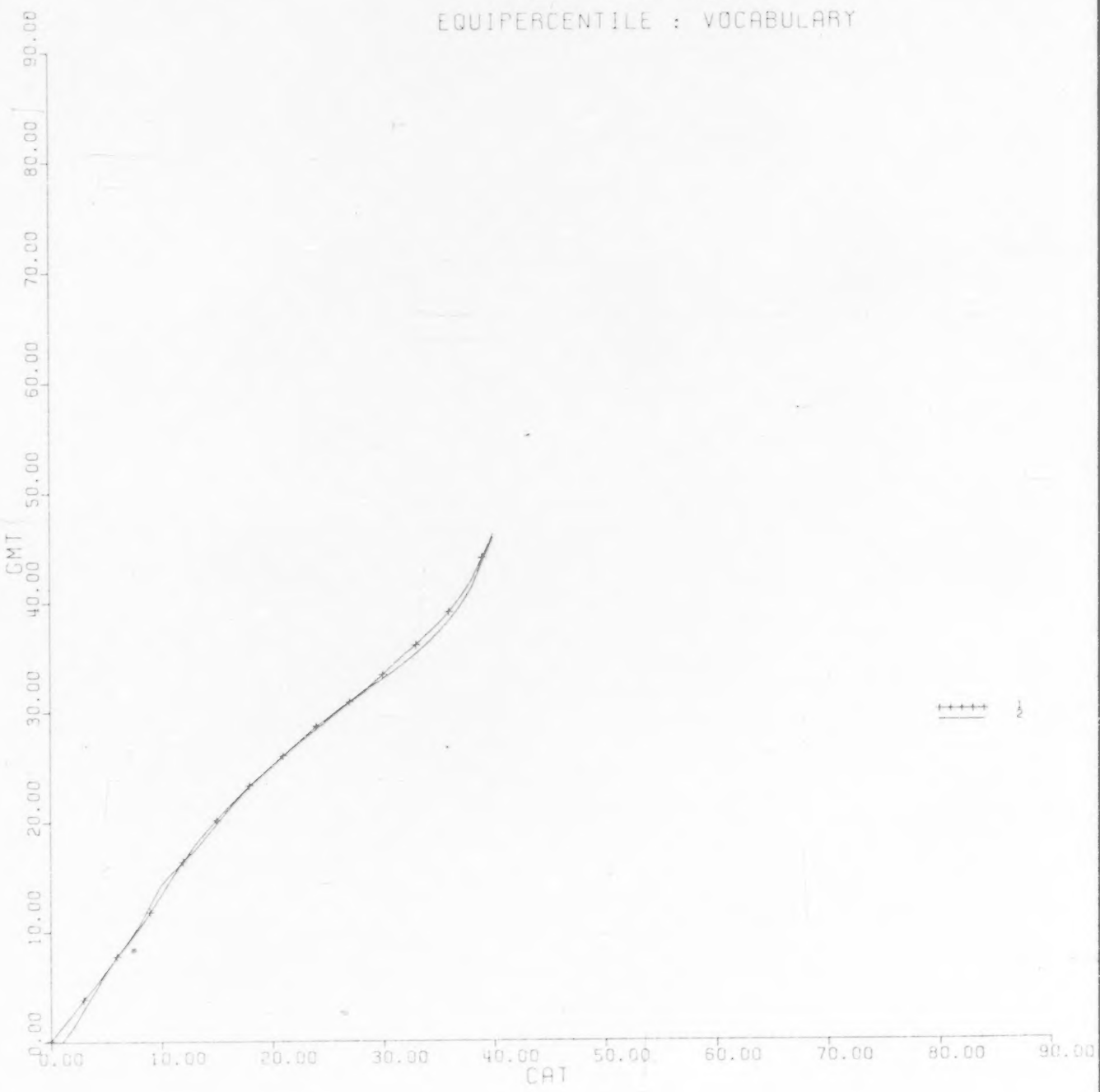
GRAPH 6096. ANCHOR TEST EQUATING STUDY: GRADE 5
PROC. 1 VS PROC. 2
EQUIPERCENTILE : VOCABULARY



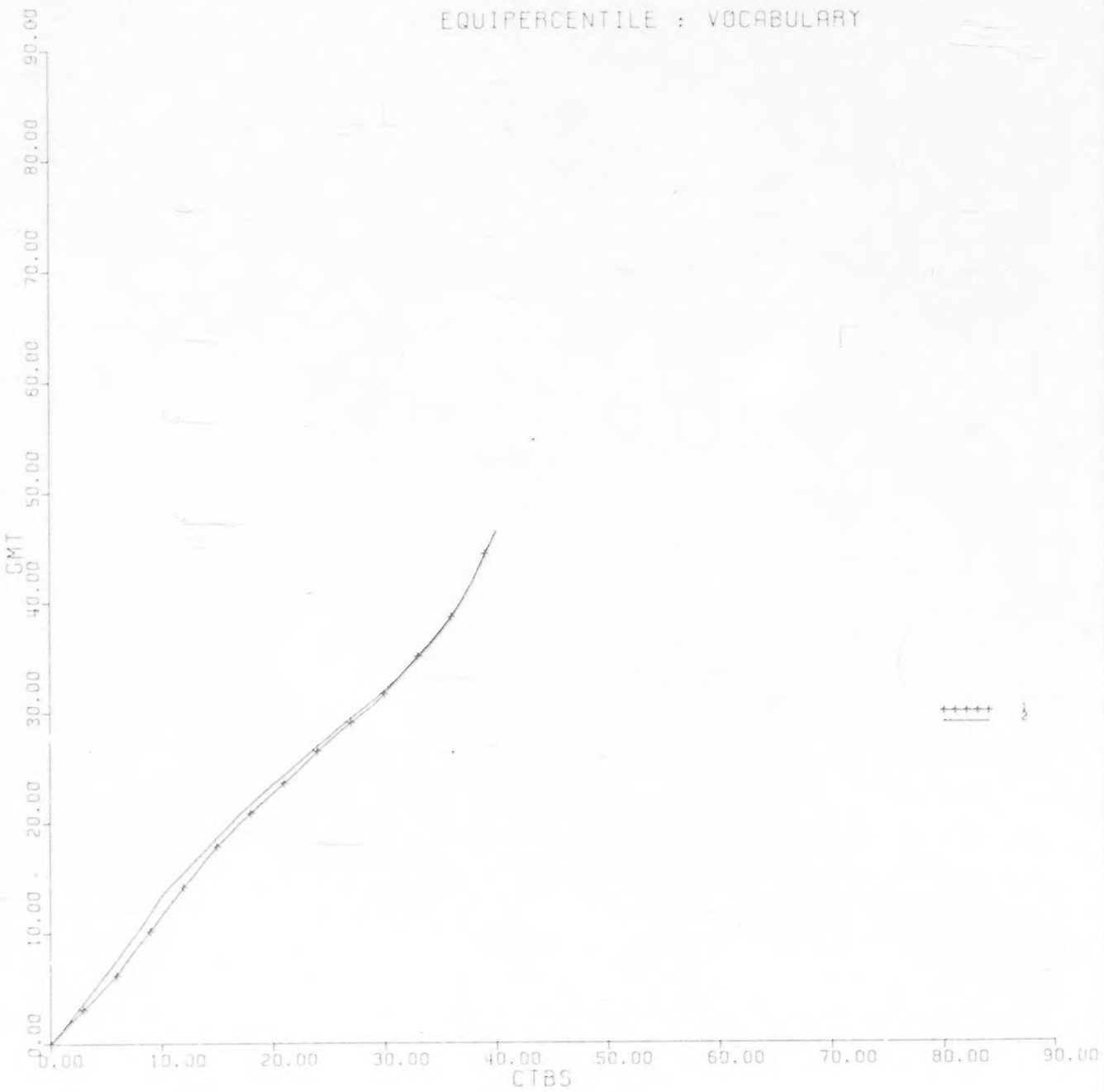
GRAPH 6097. ANCHOR TEST EQUATING STUDY: GRADE - 5
PROC. 1 VS PROC. 2
EQUIPERCENTILE : VOCABULARY



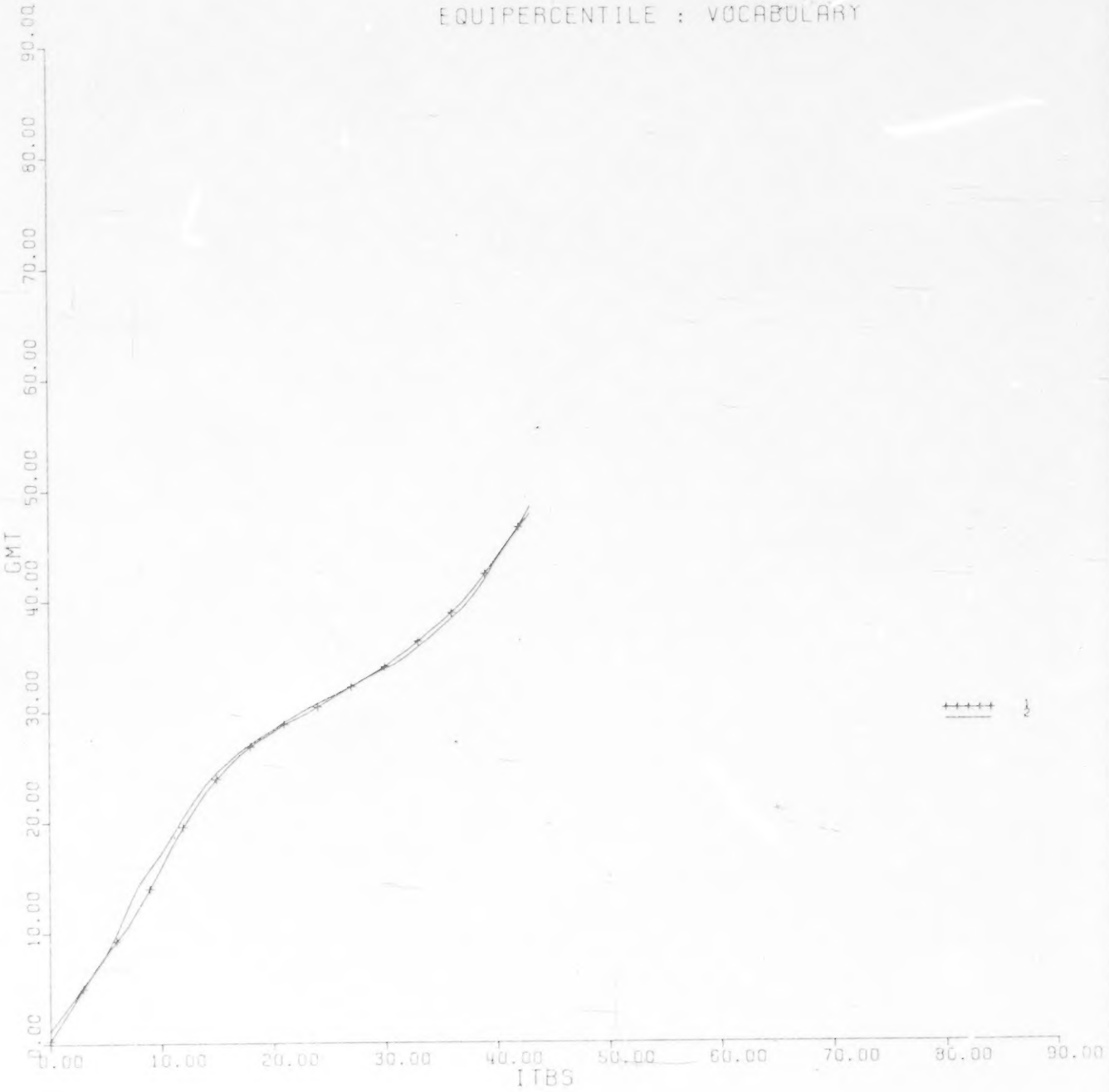
GRAPH G098. ANCHOR TEST EQUATING STUDY: GRADE 5
PROC. 1 VS PROC. 2
EQUIPERCENTILE : VOCABULARY



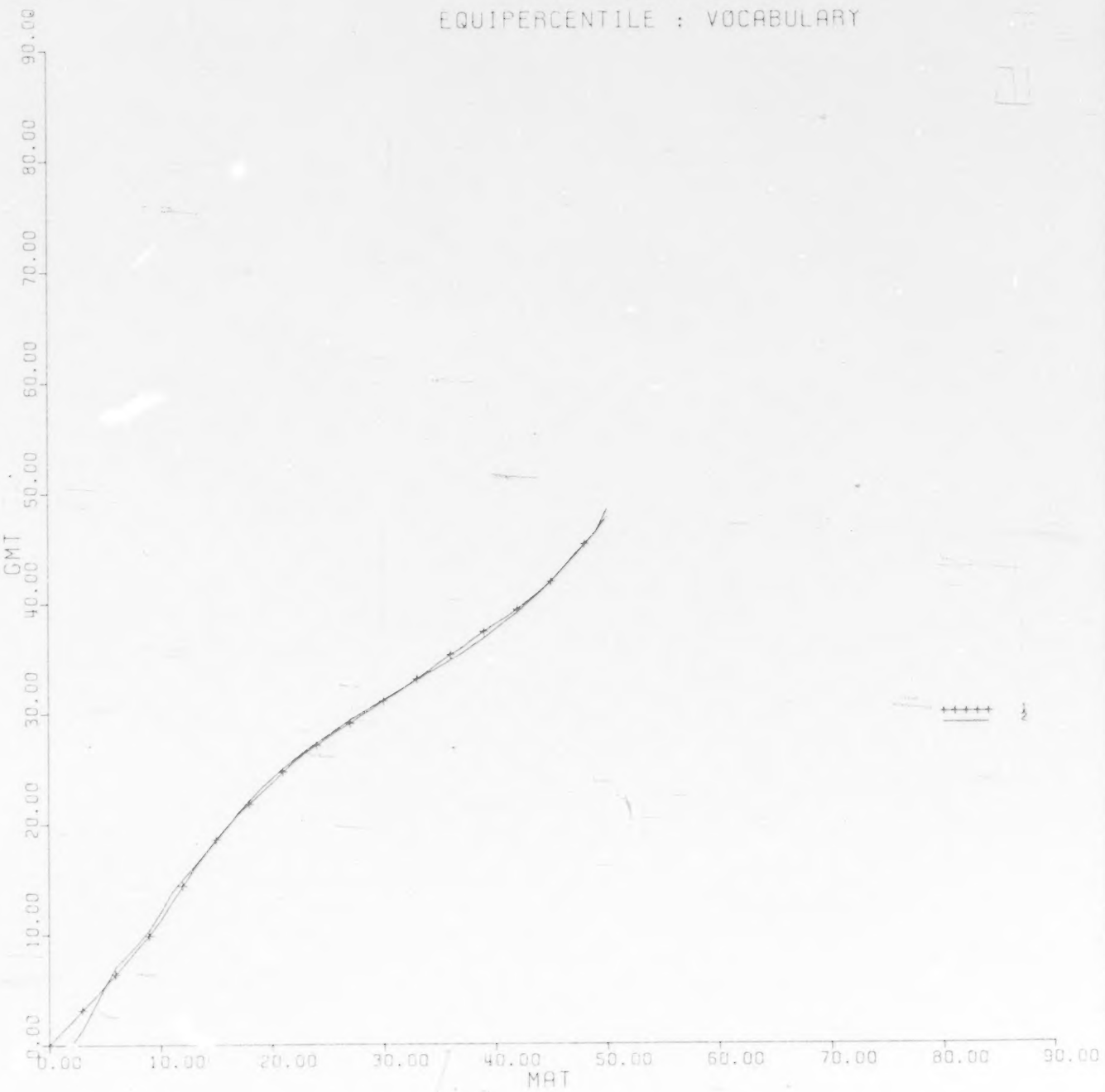
GRAPH 6099. ANCHOR TEST EQUATING STUDY: GRADE 5
PROC. 1 VS PROC. 2
EQUIPERCENTILE : VOCABULARY



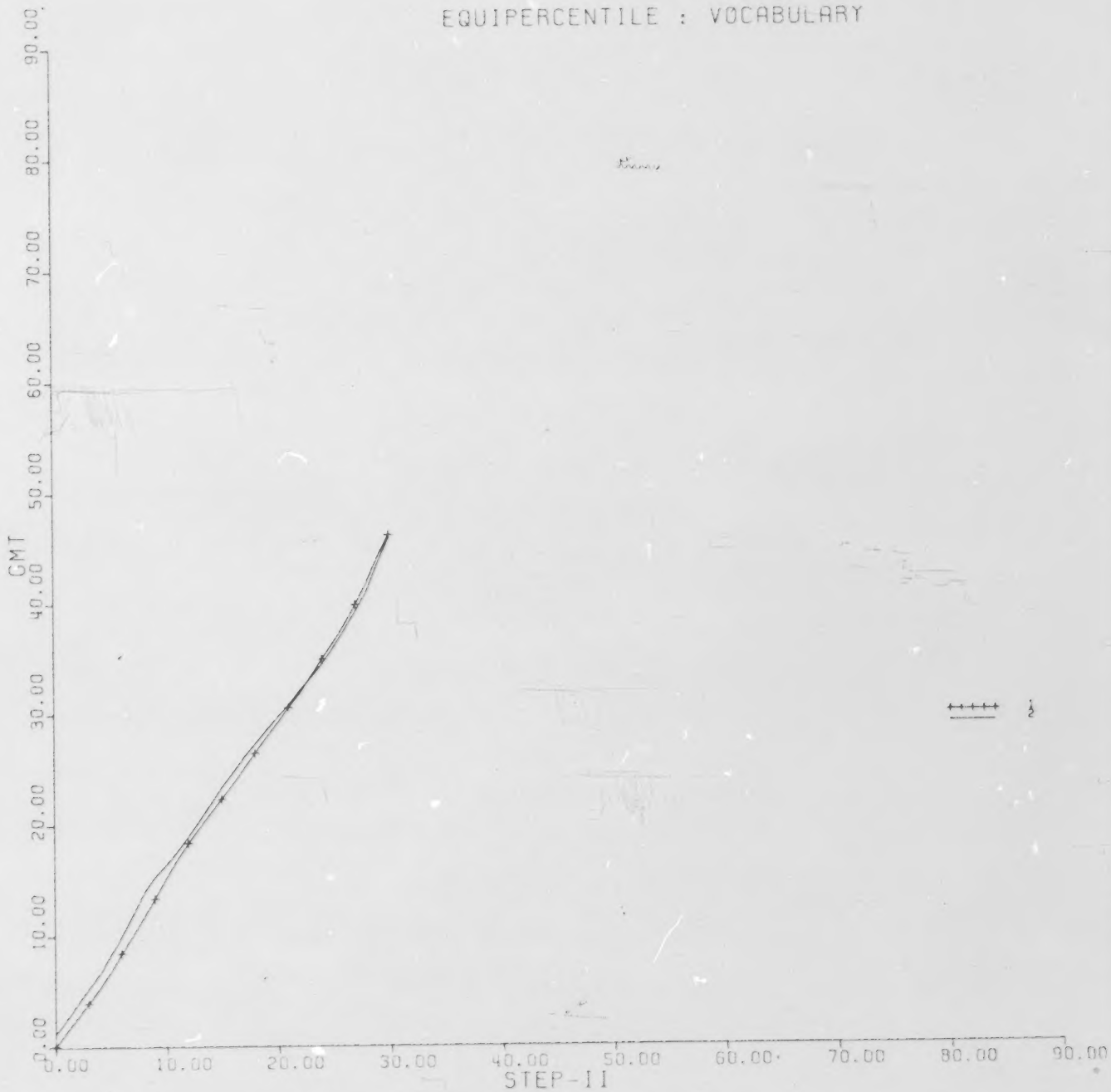
GRAPH 6100. ANCHOR TEST EQUATING STUDY: GRADE 5
PROC. 1 VS PROC. 2
EQUIPERCENTILE : VOCABULARY



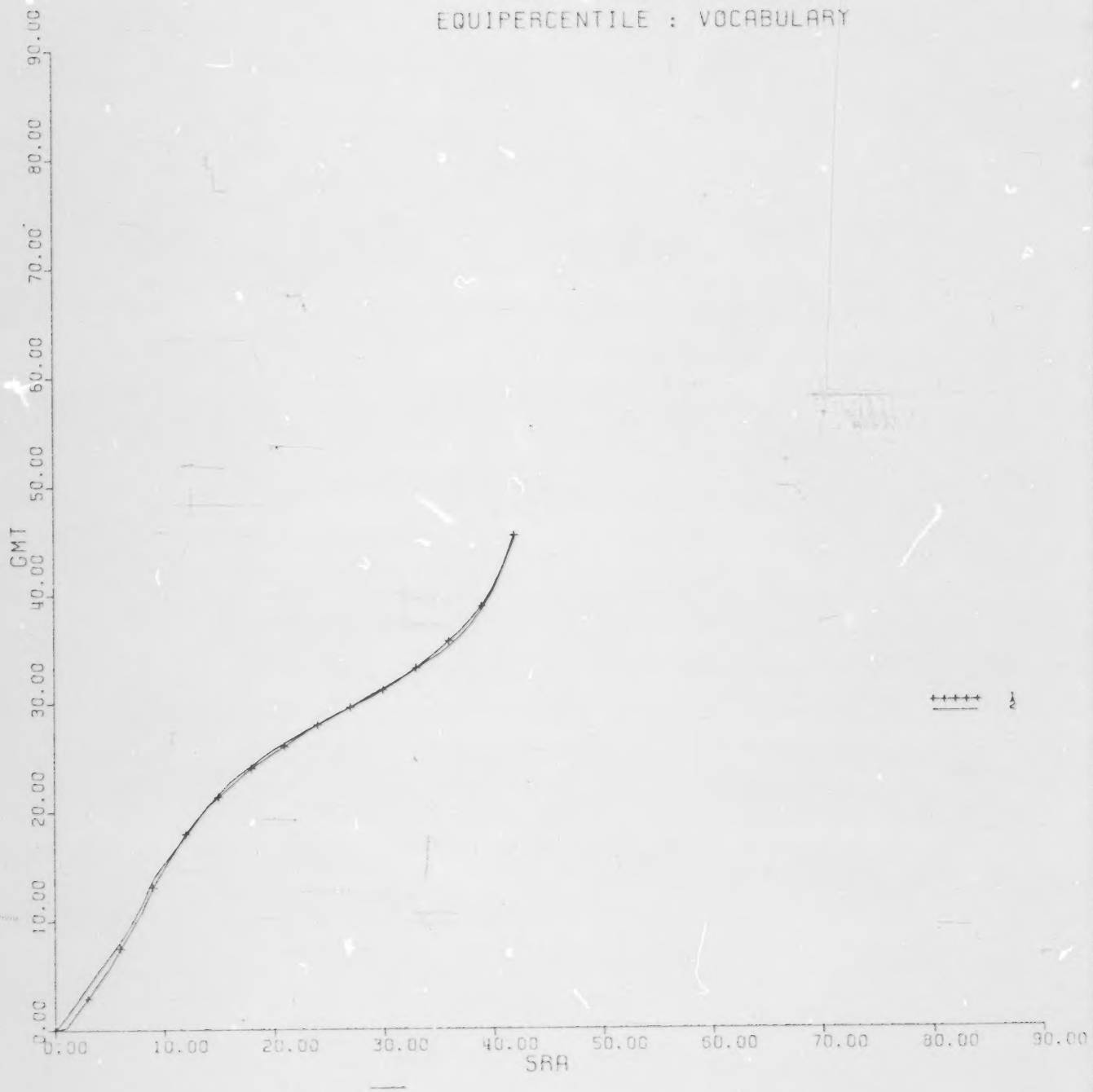
GRAPH 6101. ANCHOR TEST EQUATING STUDY: GRADE 5
PROC. 1 VS PROC. 2
EQUIPERCENTILE : VOCABULARY



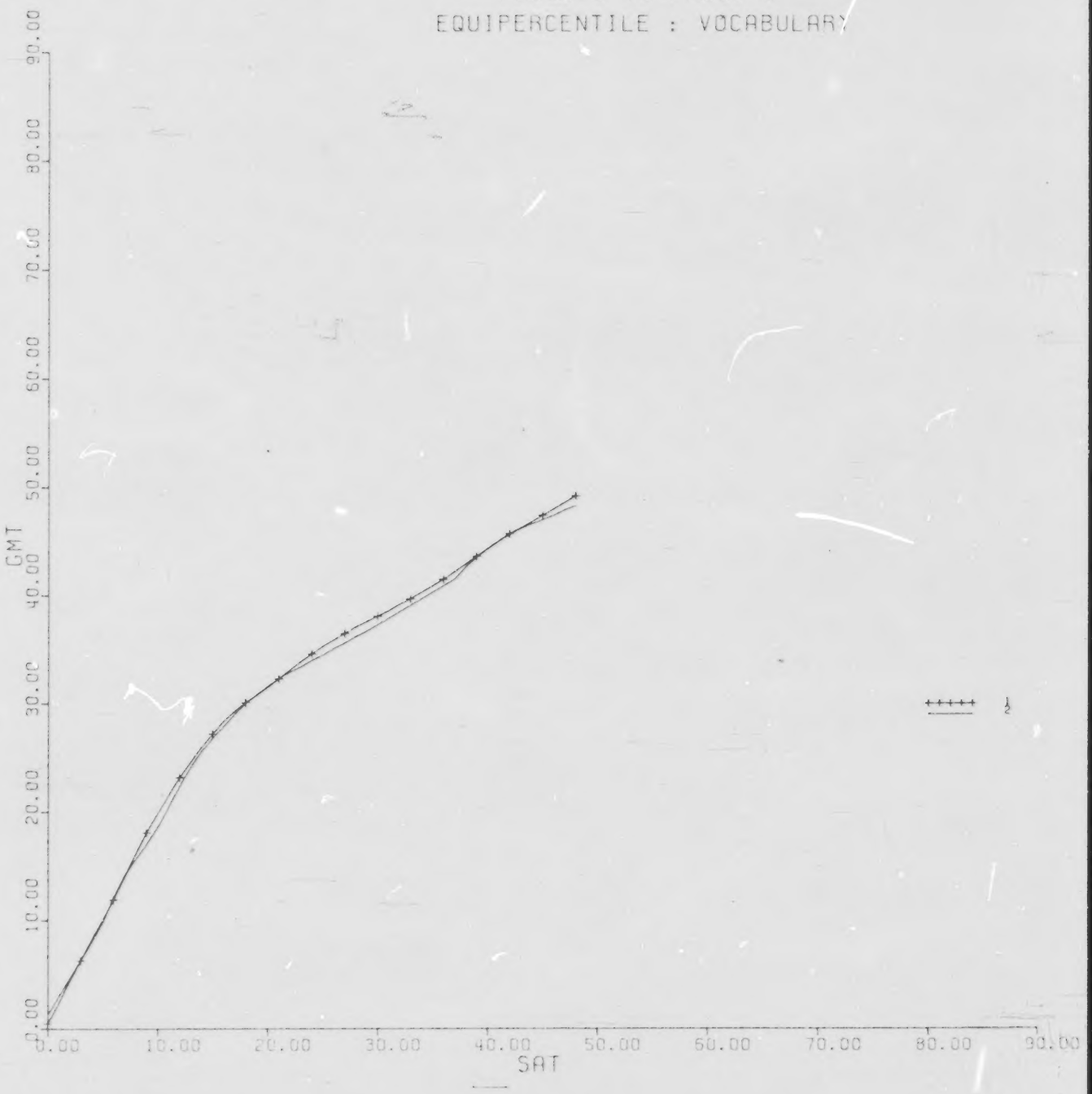
GRAPH 6102. ANCHOR TEST EQUATING STUDY: GRADE 5
PROC. 1 VS PROC. 2
EQUIPERCENTILE : VOCABULARY



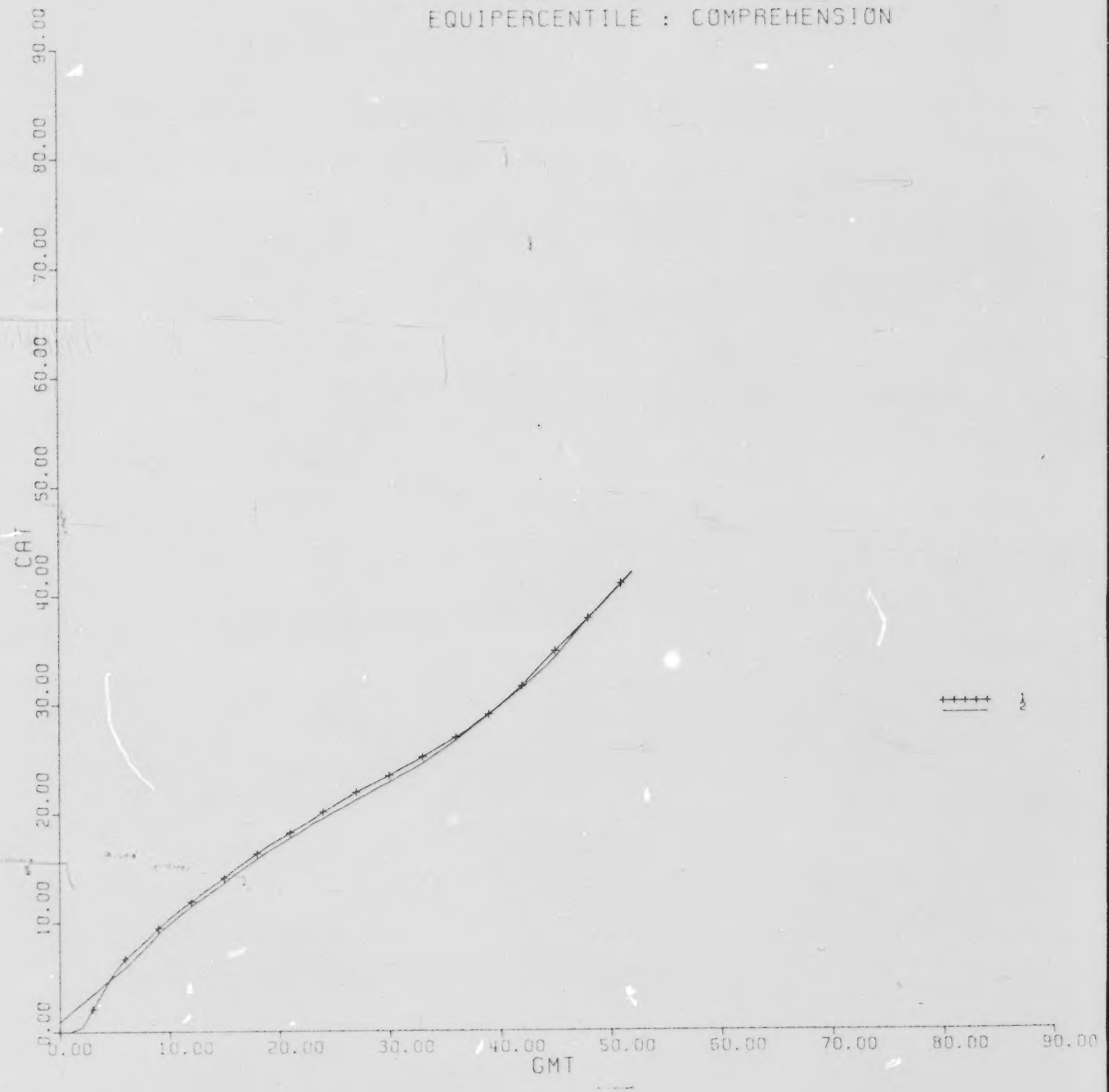
GRAPH 6103. ANCHOR TEST EQUATING STUDY: GRADE 5
PROC. 1 VS PROC. 2
EQUIPERCENTILE : VOCABULARY



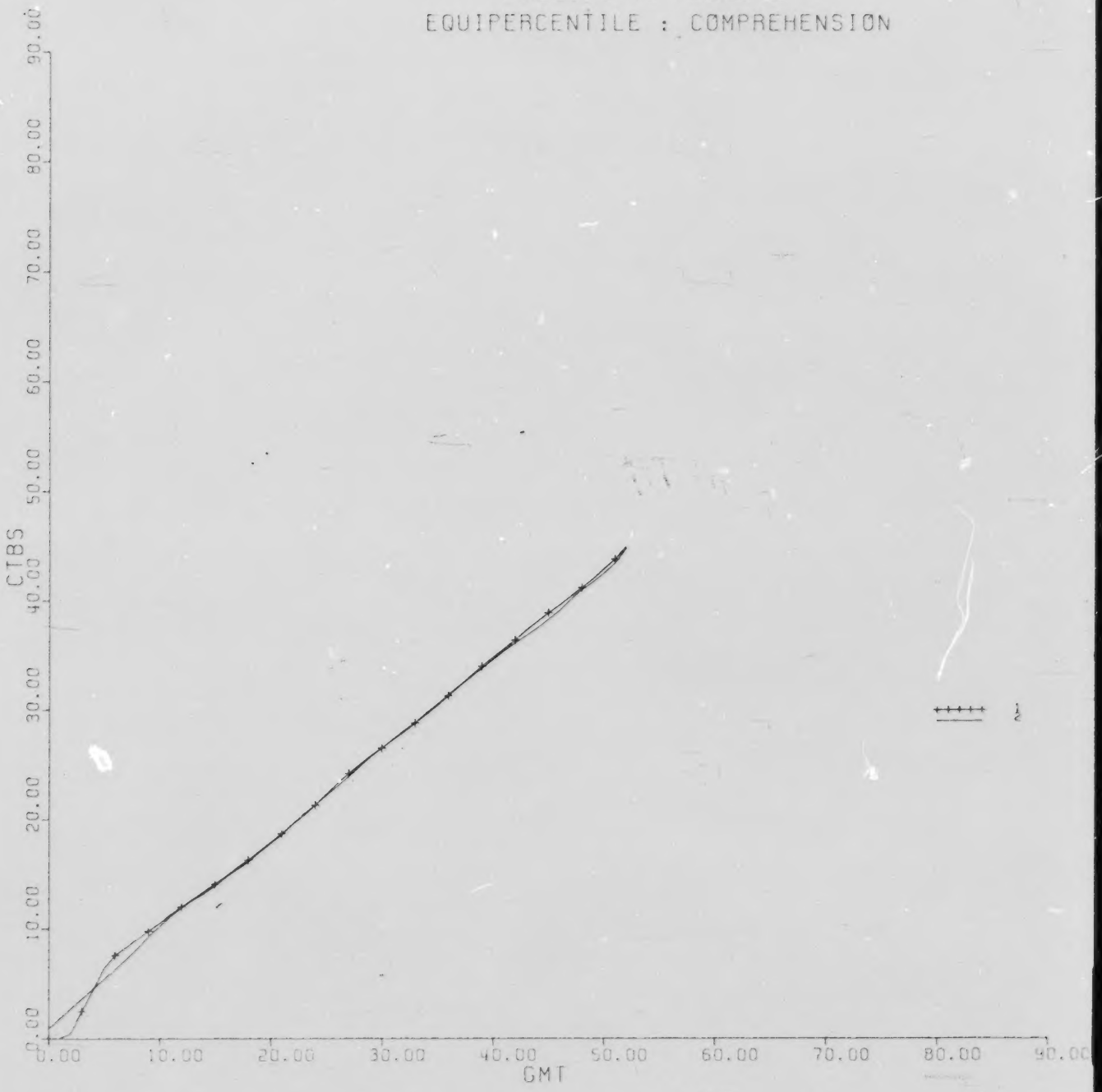
GRAPH 6104. ANCHOR TEST EQUATING STUDY: GRADE 5
PROC. 1 VS PROC. 2
EQUIPERCENTILE : VOCABULARY



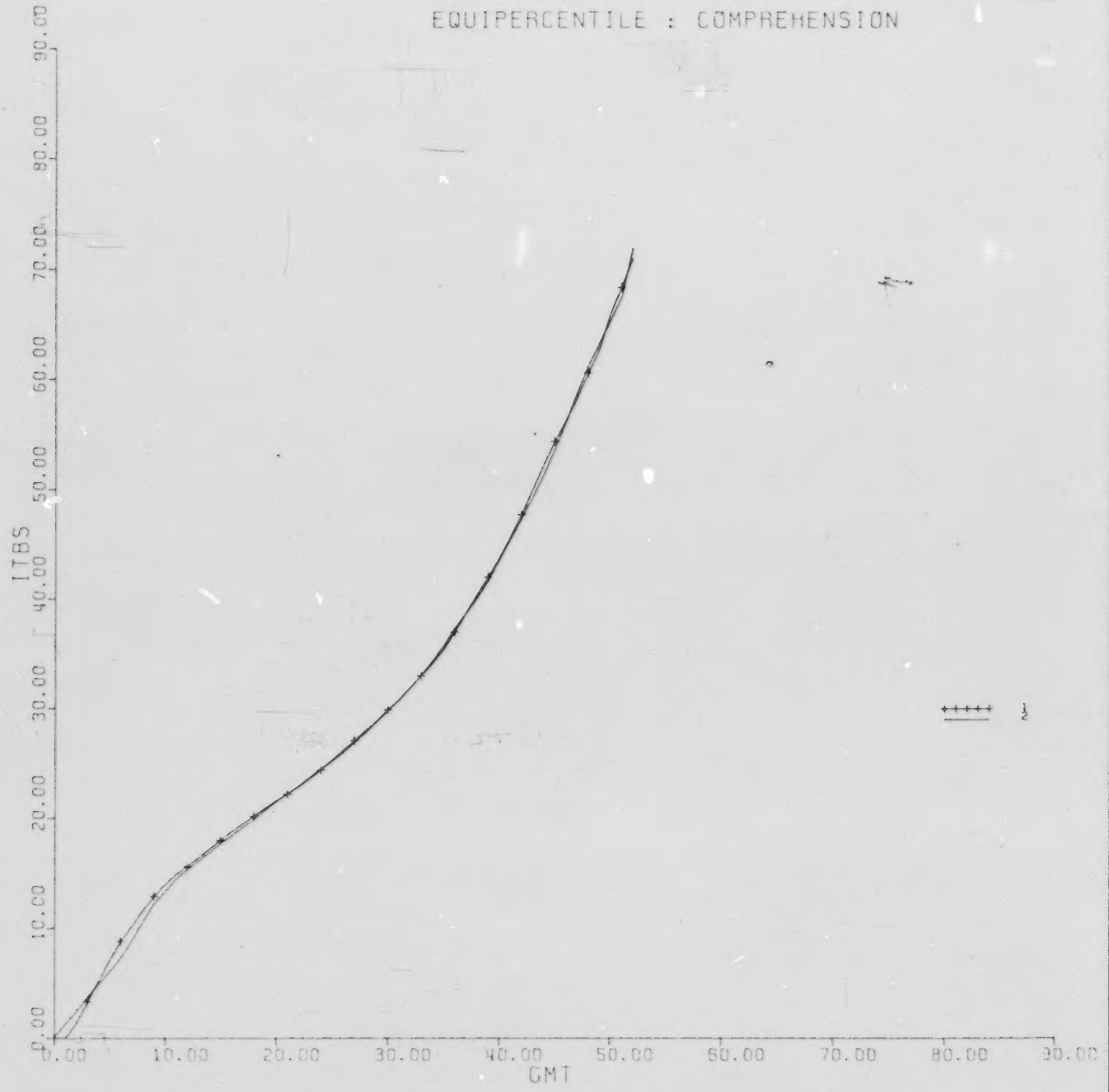
GRAPH 6105. ANCHOR TEST EQUATING STUDY: GRADE 5
PROC. 1 VS PROC. 2
EQUIPERCENTILE : COMPREHENSION



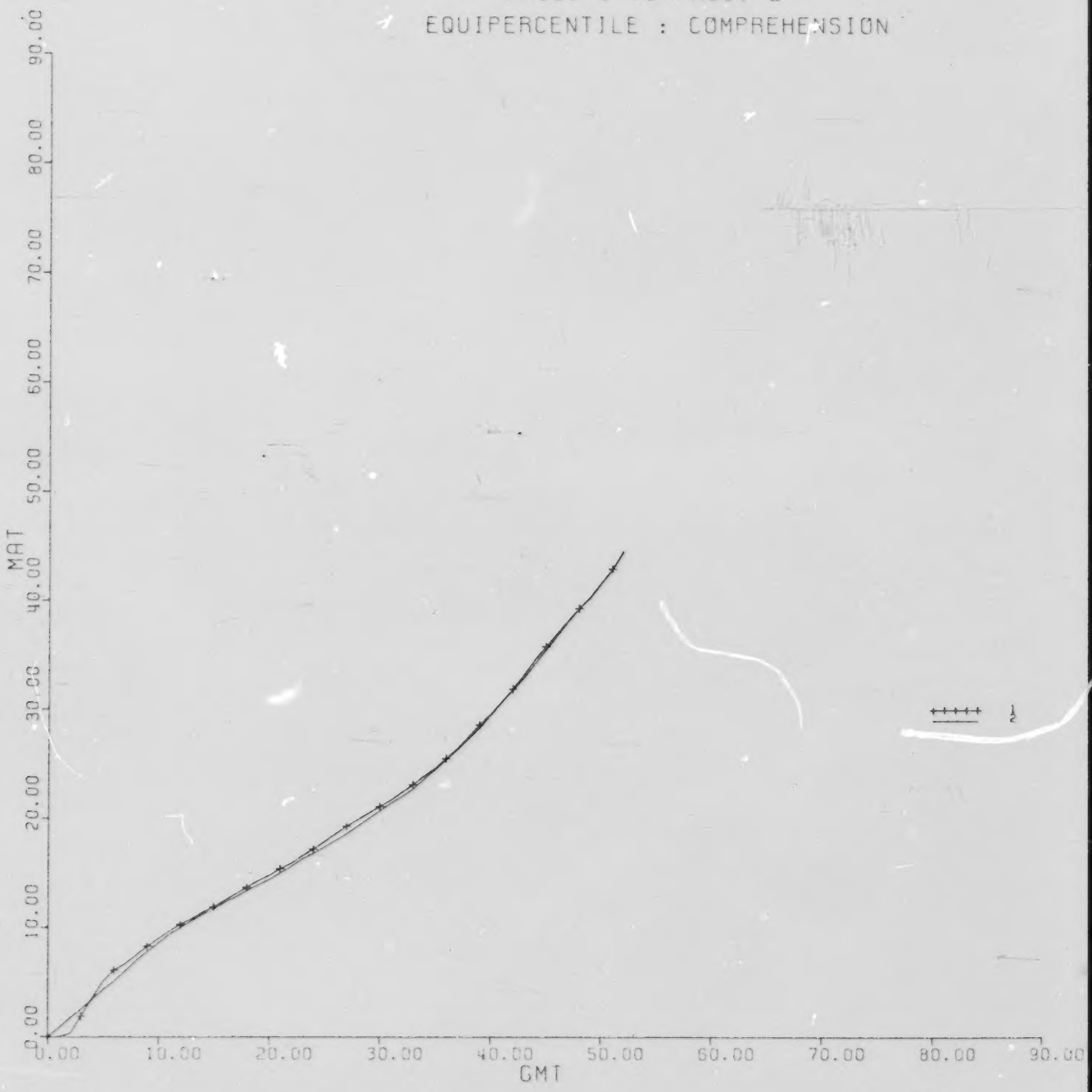
GRAPH 6106. ANCHOR TEST EQUATING STUDY: GRADE 5
PROC. 1 VS PROC. 2
EQUIPERCENTILE : COMPREHENSION



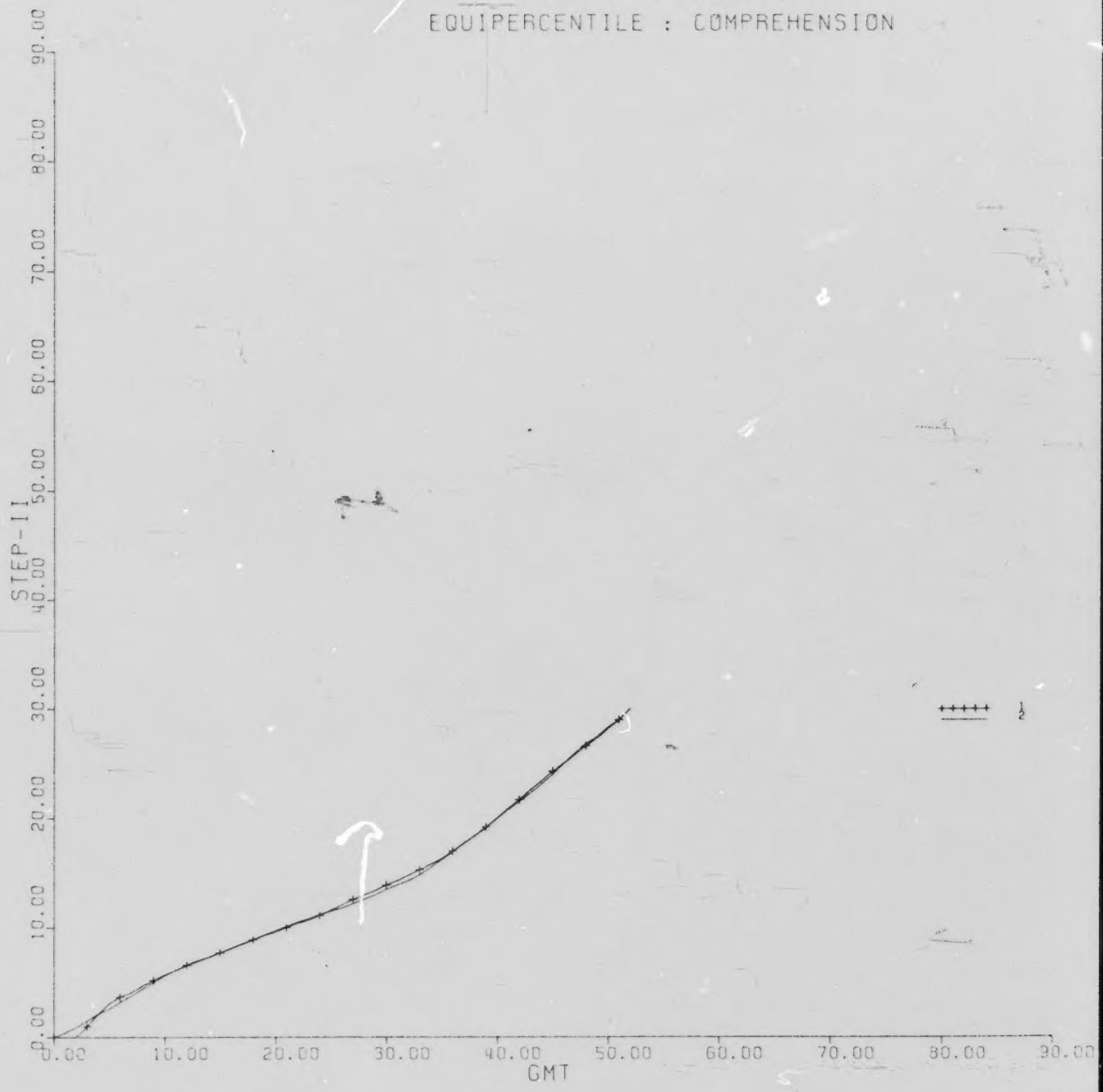
GRAPH 6107. ANCHOR TEST EQUATING STUDY: GRADE 5
PROC. 1 VS PROC. 2
EQUIPERCENTILE : COMPREHENSION



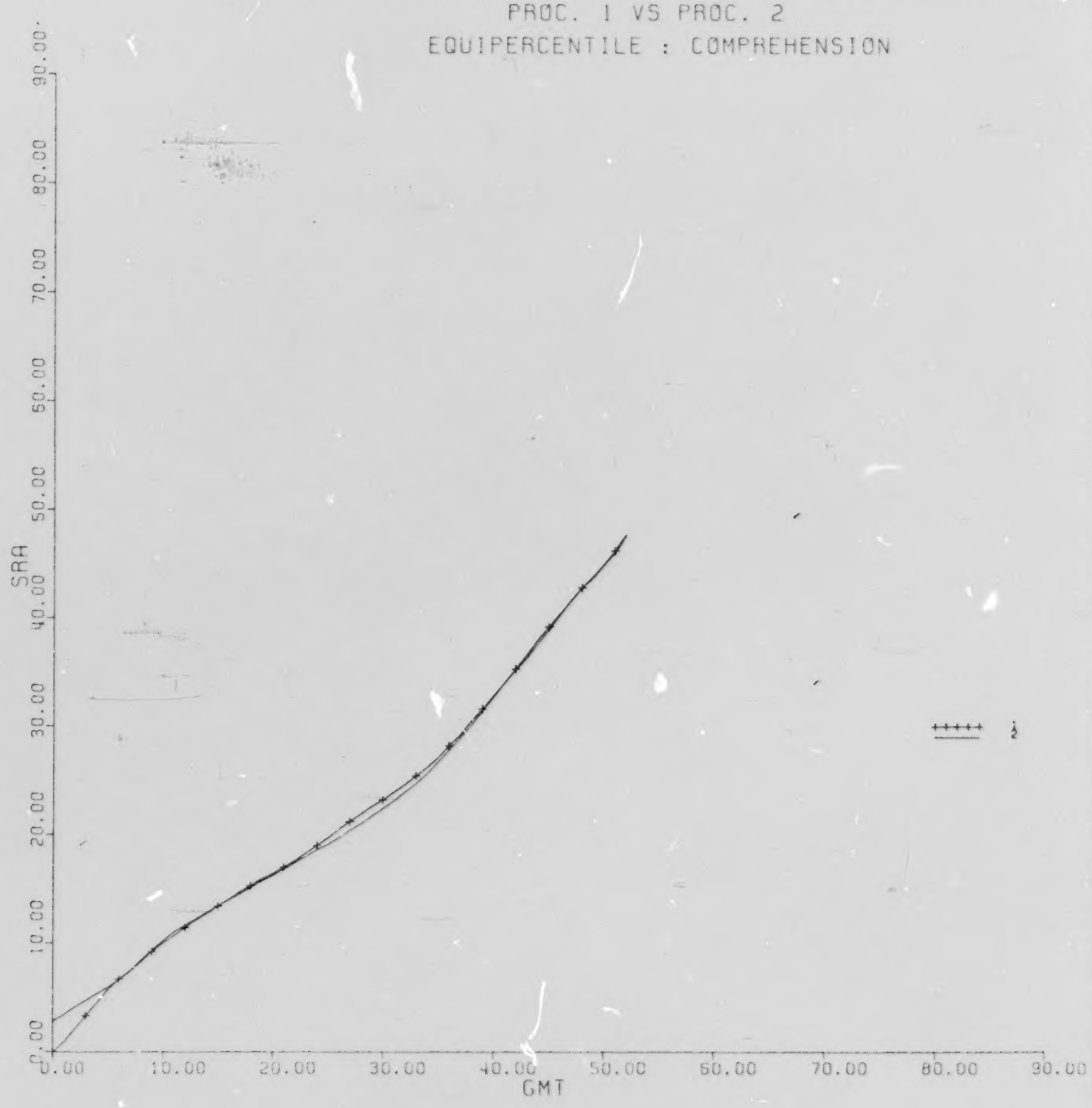
GRAPH 6108. ANCHOR TEST EQUATING STUDY: GRADE 5
PROC. 1 VS PROC. 2
EQUIPERCENTILE : COMPREHENSION



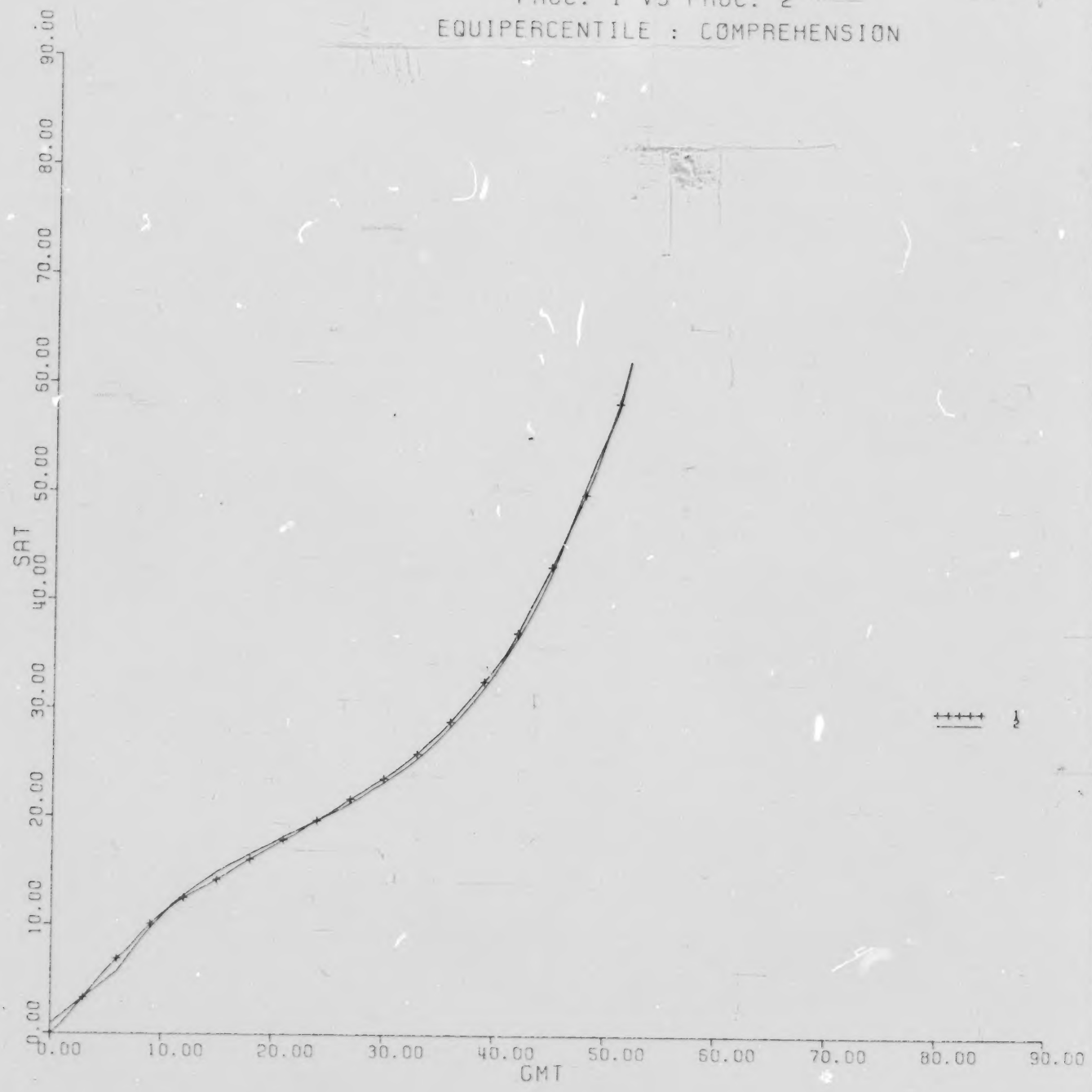
GRAPH 6109. ANCHOR TEST EQUATING STUDY: GRADE 5
PROC. 1 VS PROC. 2
EQUIPERCENTILE : COMPREHENSION



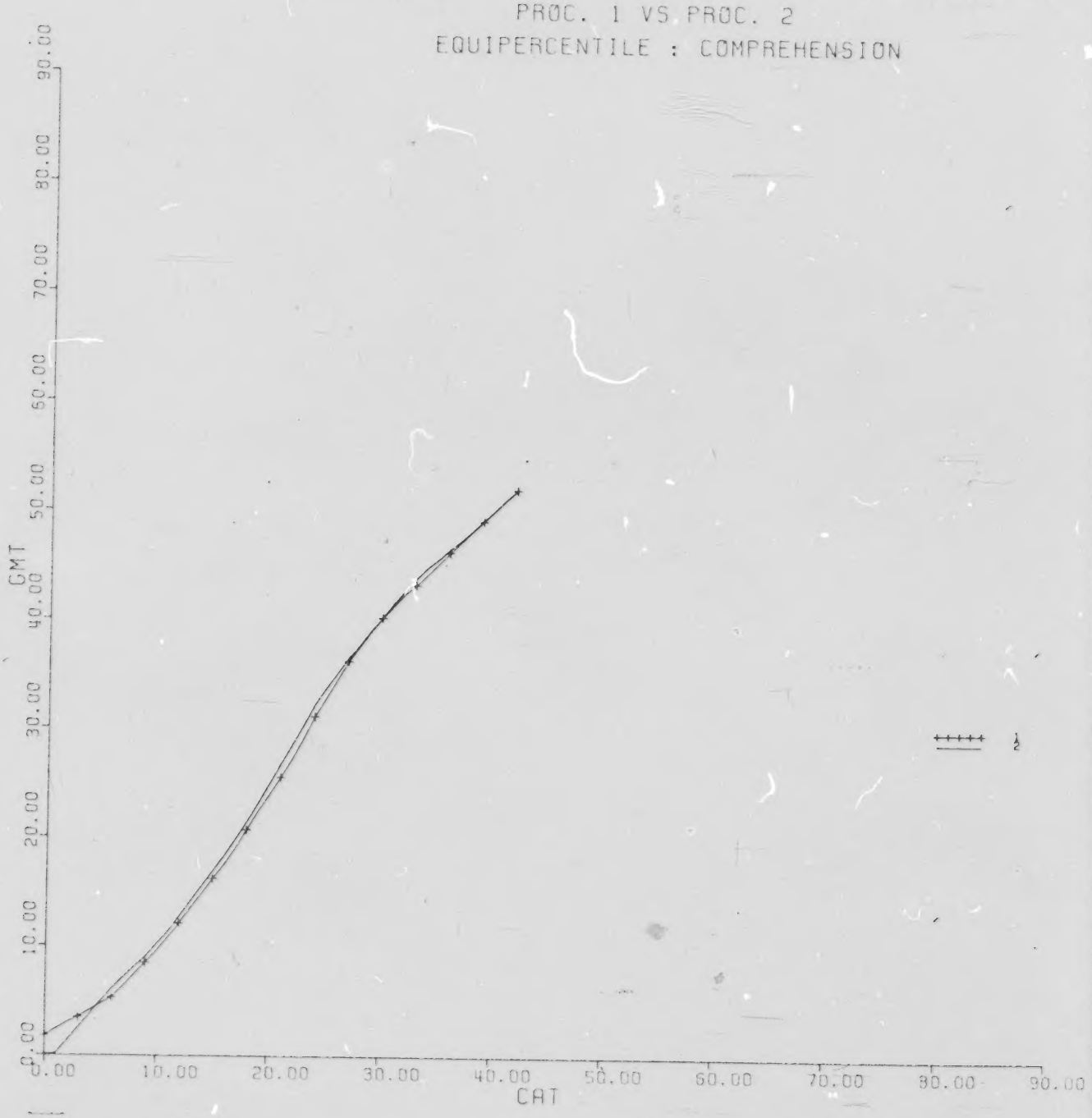
GRAPH 6110. ANCHOR TEST EQUATING STUDY: GRADE 5
PROC. 1 VS PROC. 2
EQUIPERCENTILE : COMPREHENSION



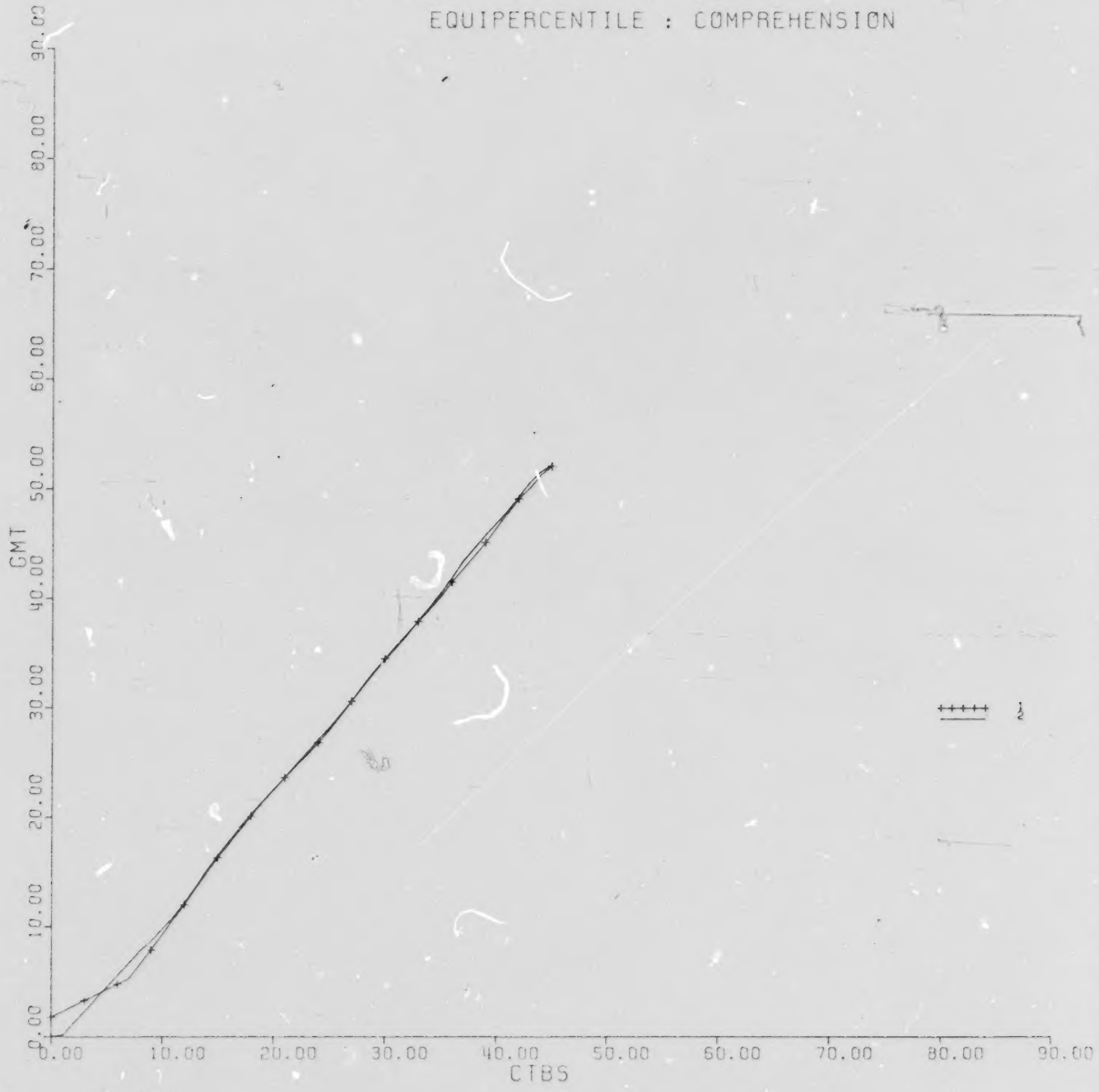
GRAPH 6111. ANCHOR TEST EQUATING STUDY: GRADE 5
PROC. 1 VS PROC. 2
EQUIPERCENTILE : COMPREHENSION



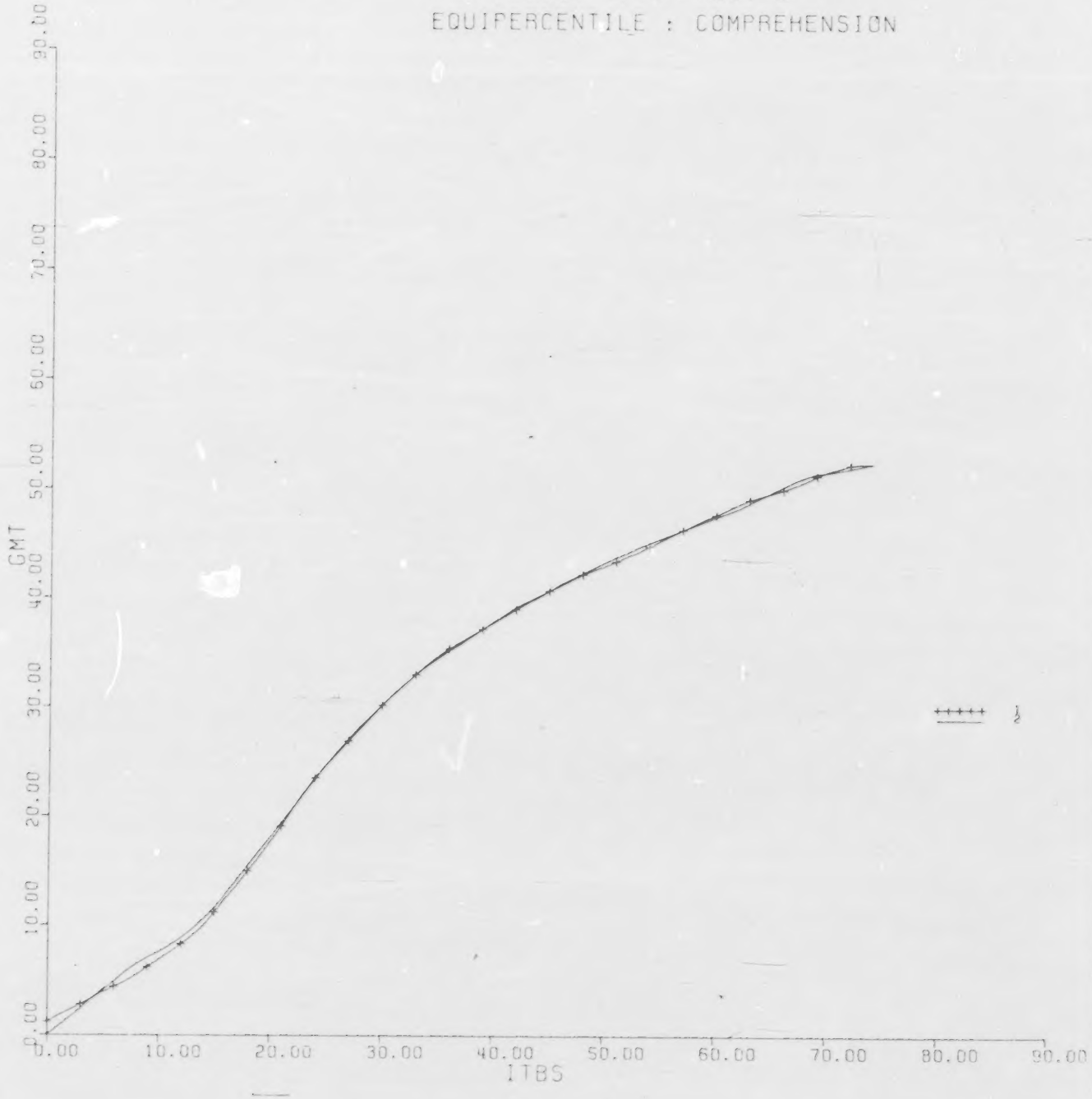
GRAPH 6112. ANCHOR TEST EQUATING STUDY: GRADE 5
PROC. 1 VS PROC. 2
EQUIPERCENTILE : COMPREHENSION



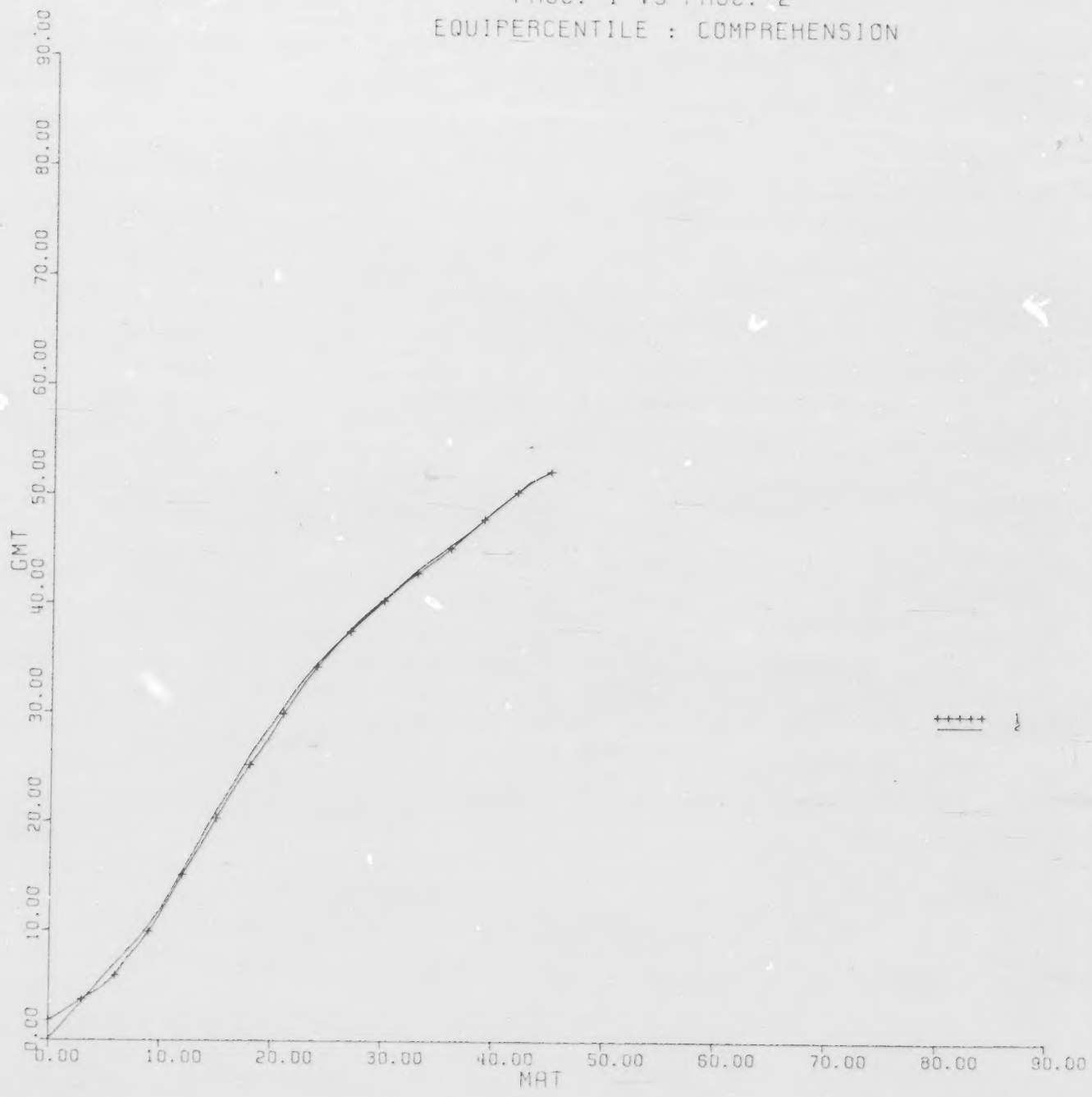
GRAPH 6113. ANCHOR TEST EQUATING STUDY: GRADE 5
PROC. 1 VS PROC. 2
EQUIPERCENTILE : COMPREHENSION



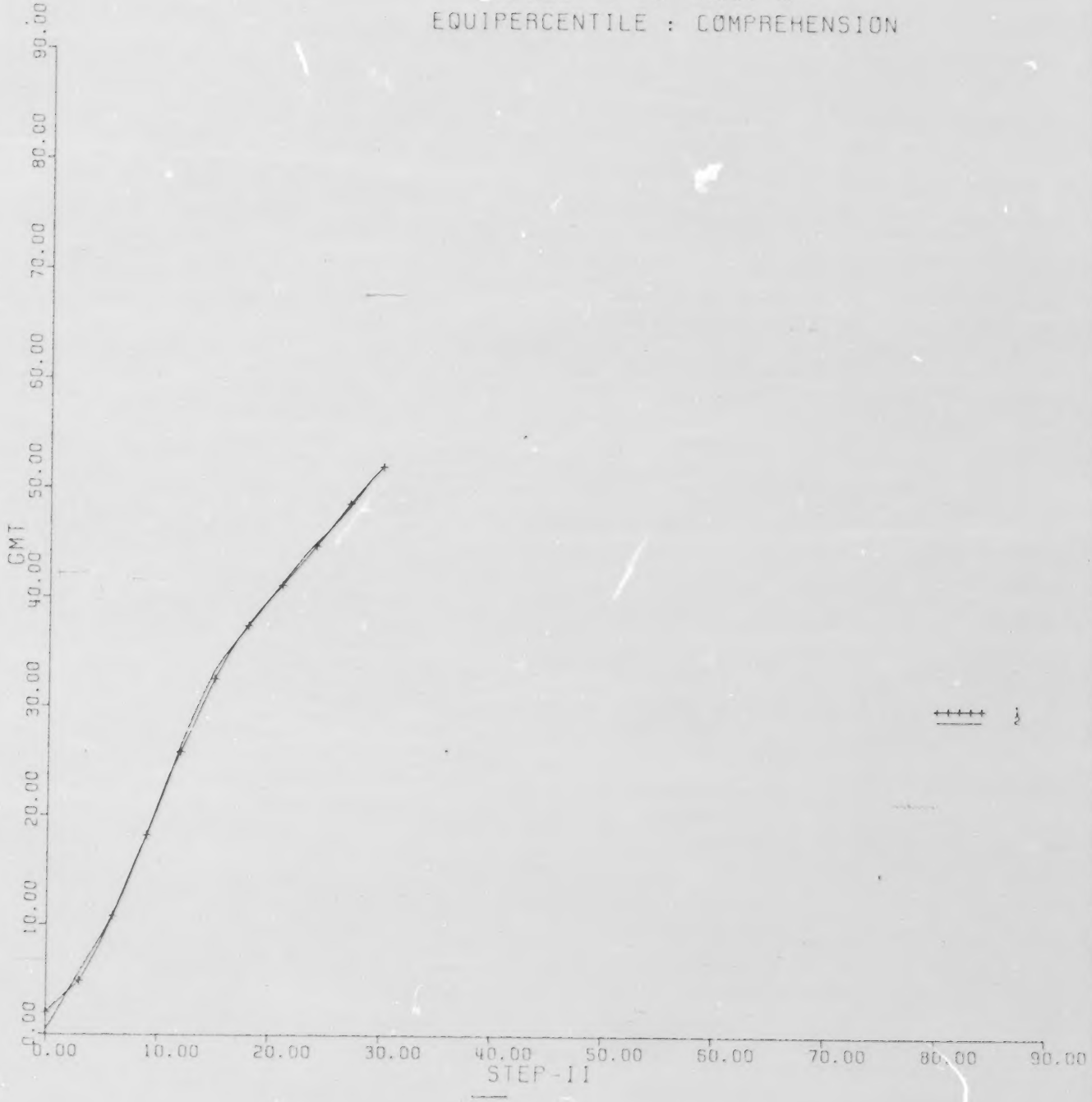
GRAPH 6114. ANCHOR TEST EQUATING STUDY: GRADE 5
PROC. 1 VS PROC. 2
EQUIPERCENTILE : COMPREHENSION



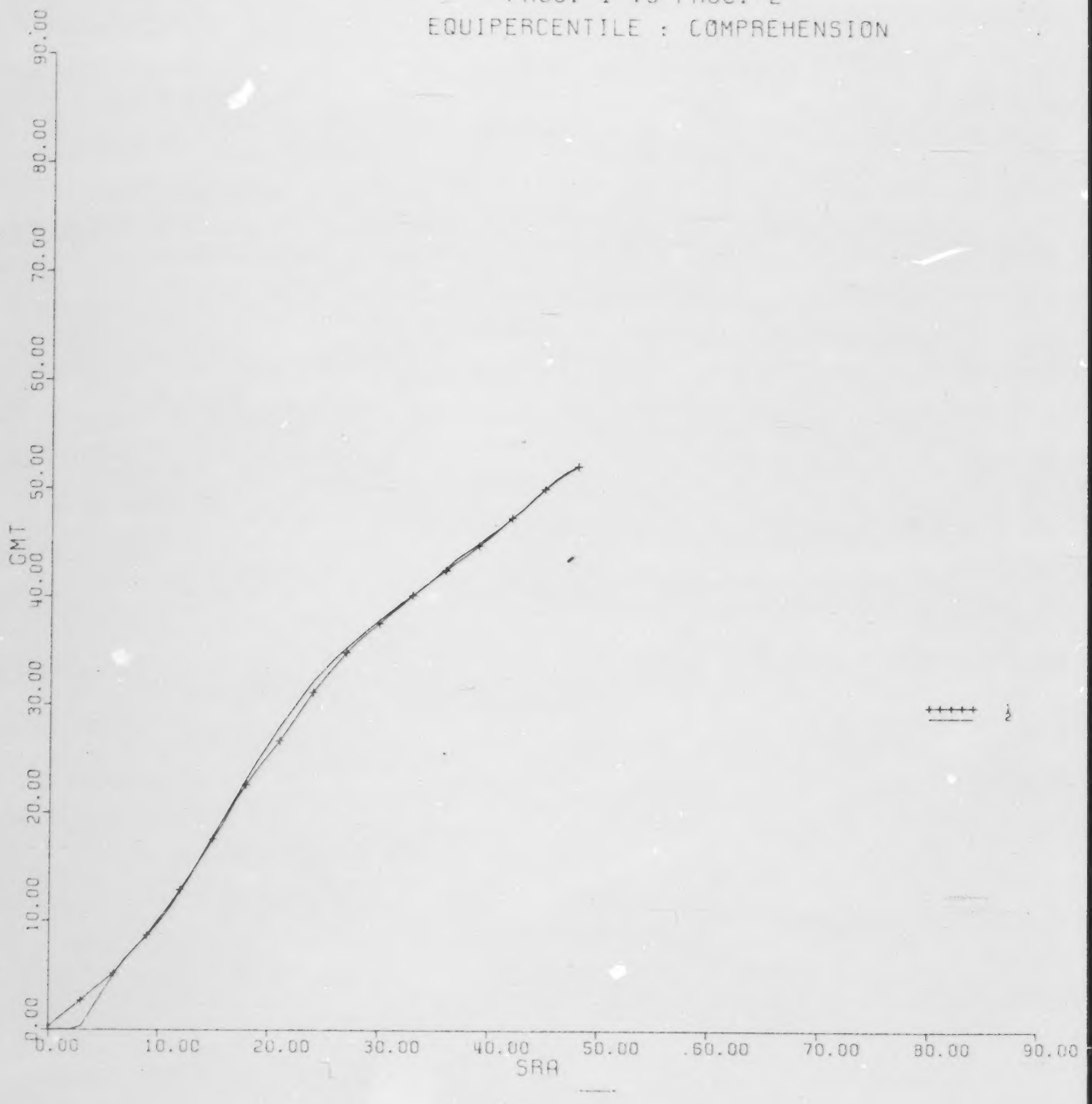
GRAPH 6115. ANCHOR TEST EQUATING STUDY: GRADE 5
PROC. 1 VS PROC. 2
EQUIPERCENTILE : COMPREHENSION



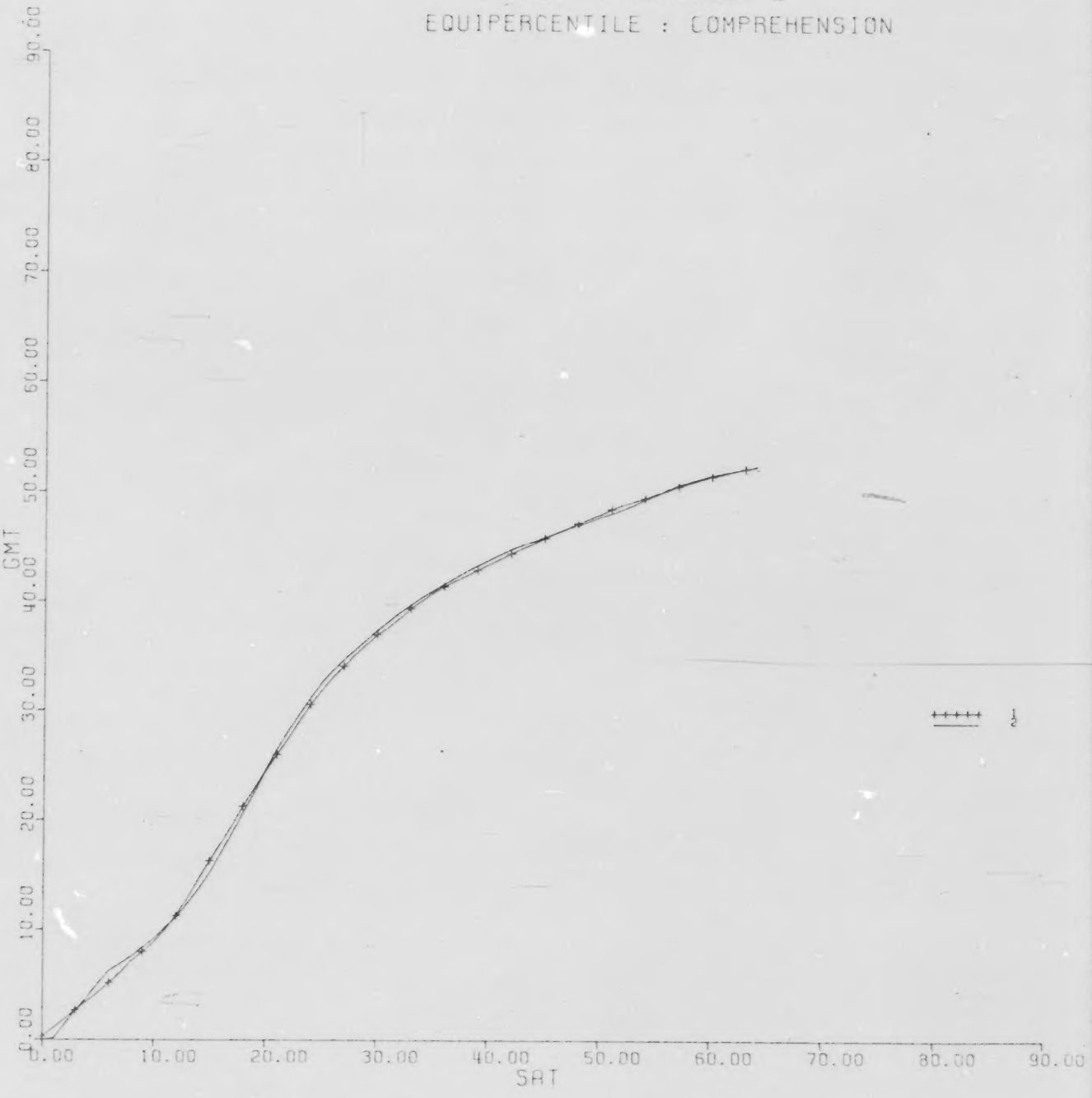
GRAPH 6116. ANCHOR TEST EQUATING STUDY: GRADE 5
PROC. 1 VS PROC. 2
EQUIPERCENTILE : COMPREHENSION



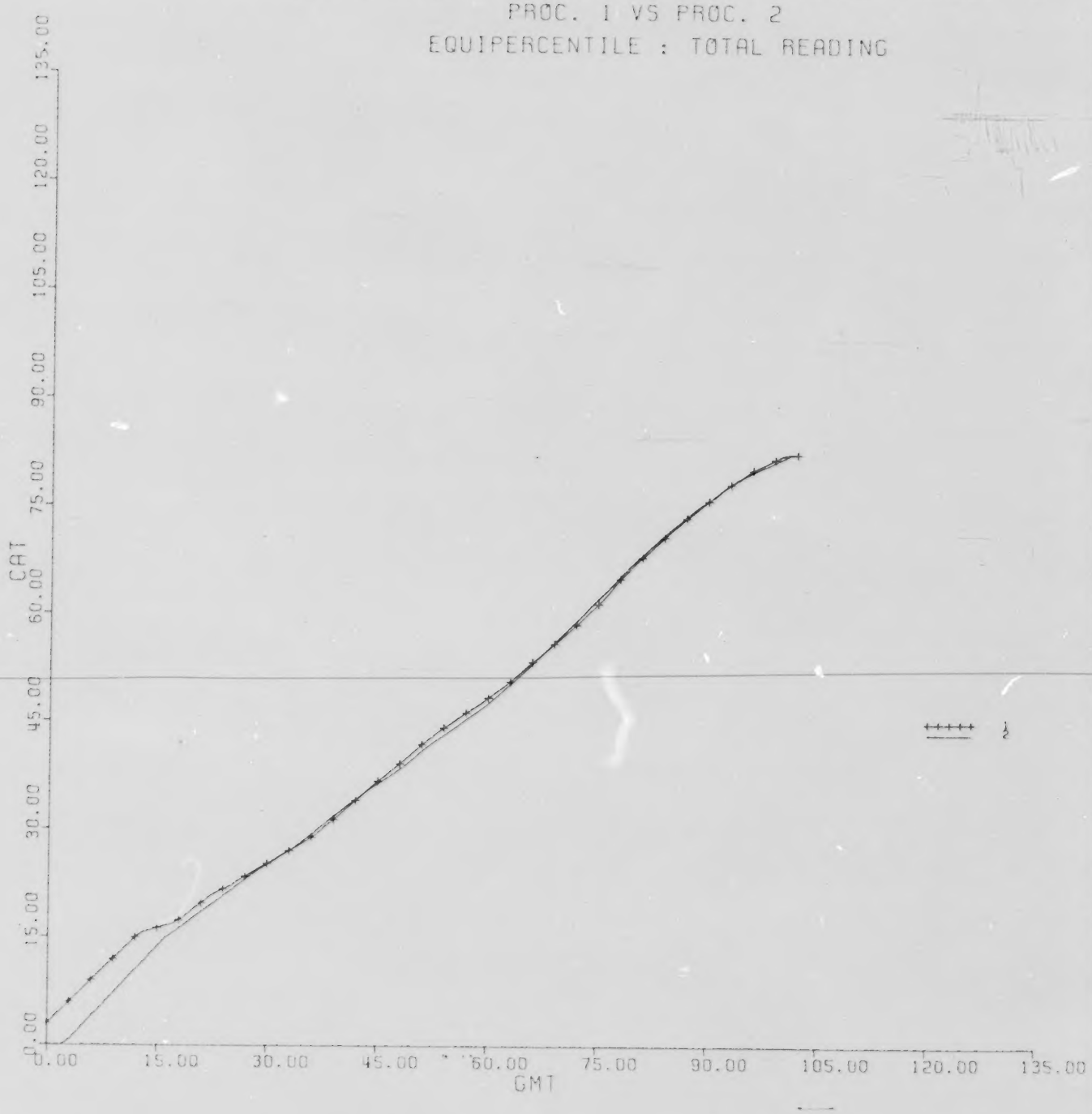
GRAPH 6117. ANCHOR TEST EQUATING STUDY: GRADE 5
PROC. 1 VS PROC. 2
EQUIPERCENTILE : COMPREHENSION



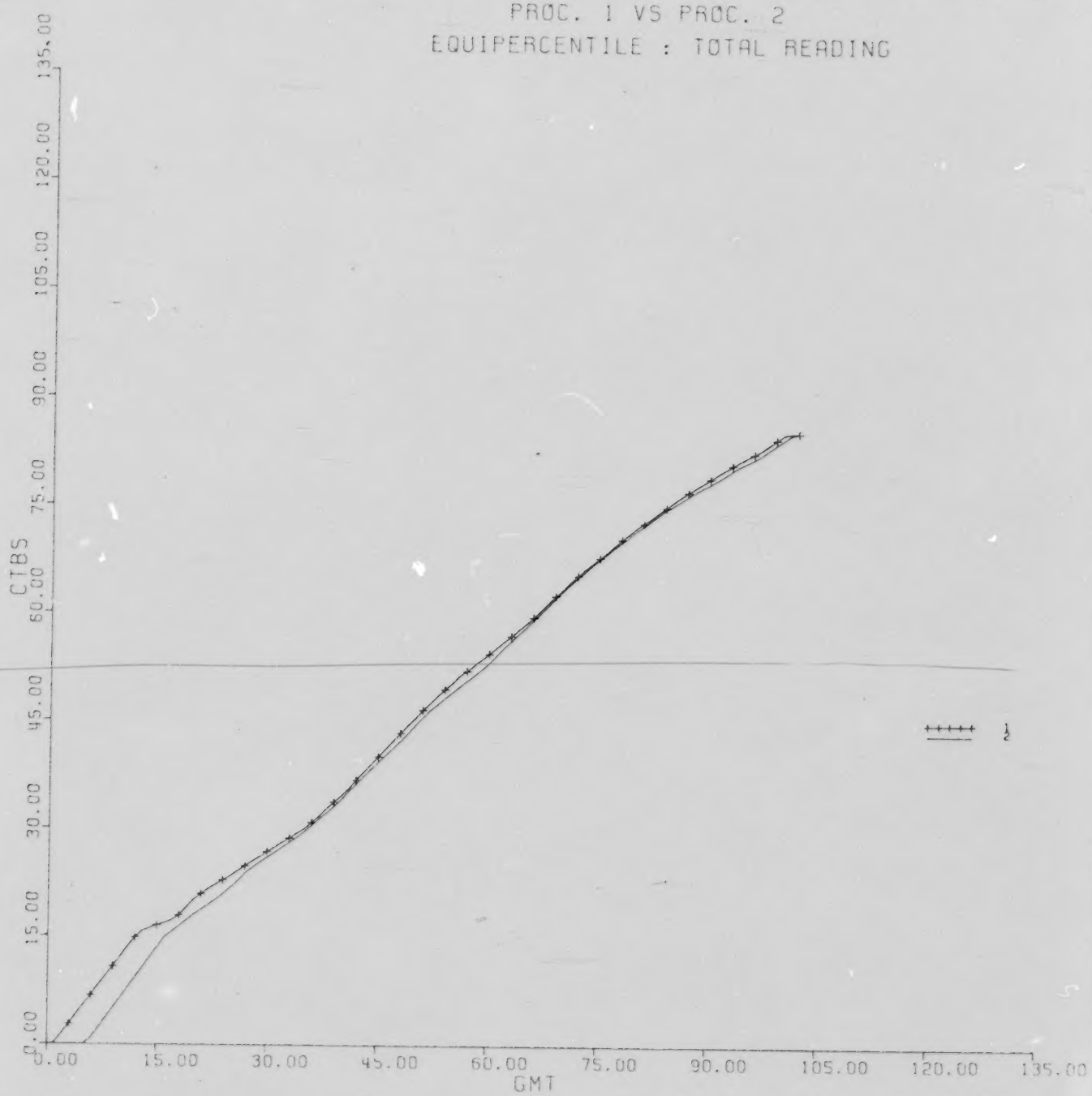
GRAPH 6118. ANCHOR TEST EQUATING STUDY: GRADE 5
PROC. 1 VS PROC. 2
EQUIPERCENTILE : COMPREHENSION



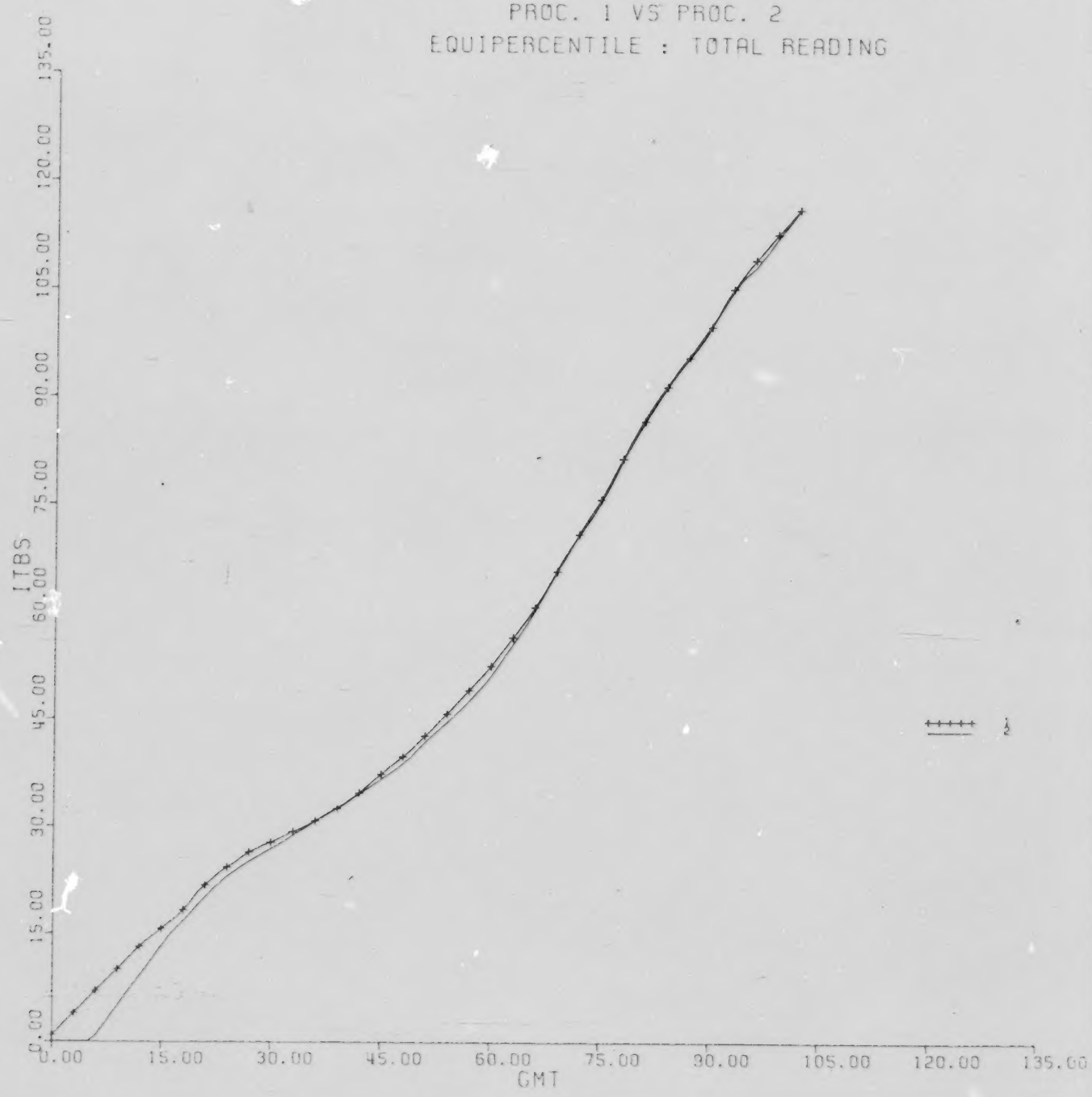
GRAPH 6119. ANCHOR TEST EQUATING STUDY: GRADE 5
PROC. 1 VS PROC. 2
EQUIPERCENTILE : TOTAL READING



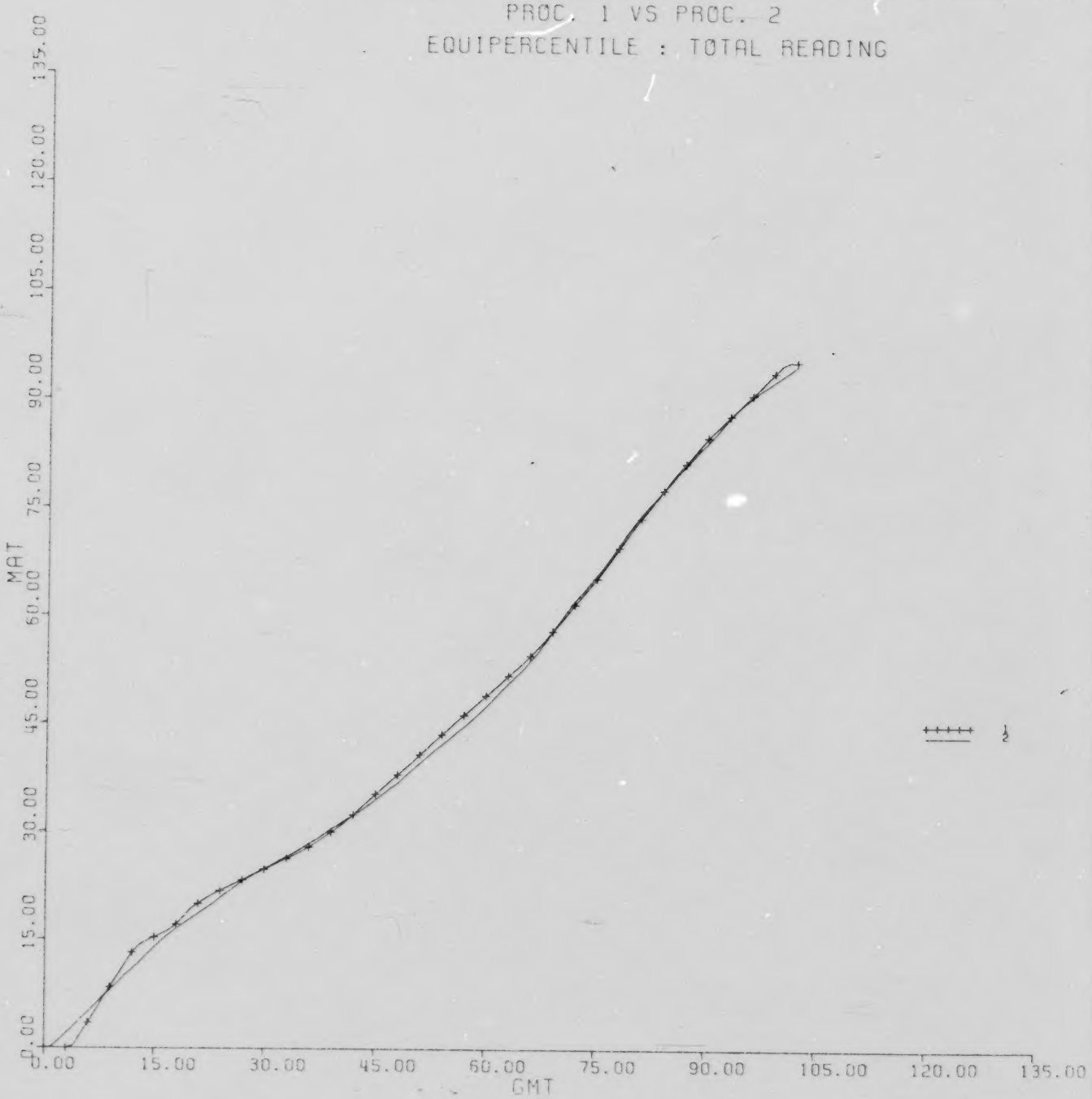
GRAPH 6120. ANCHOR TEST EQUATING STUDY: GRADE 5
PROC. 1 VS PROC. 2
EQUIPERCENTILE : TOTAL READING



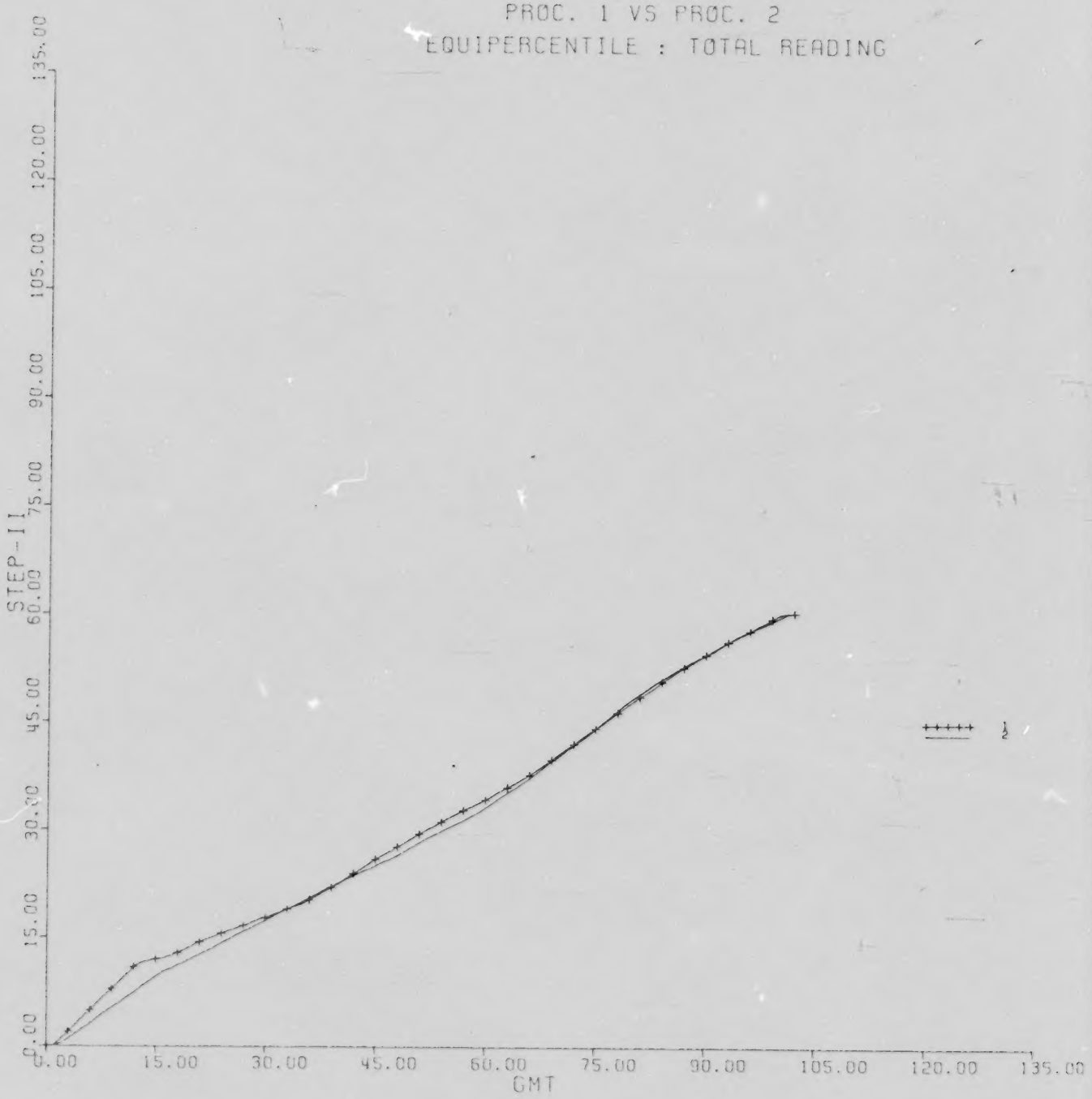
GRAPH 6121. ANCHOR TEST EQUATING STUDY: GRADE 5
PROC. 1 VS PROC. 2
EQUIPERCENTILE : TOTAL READING



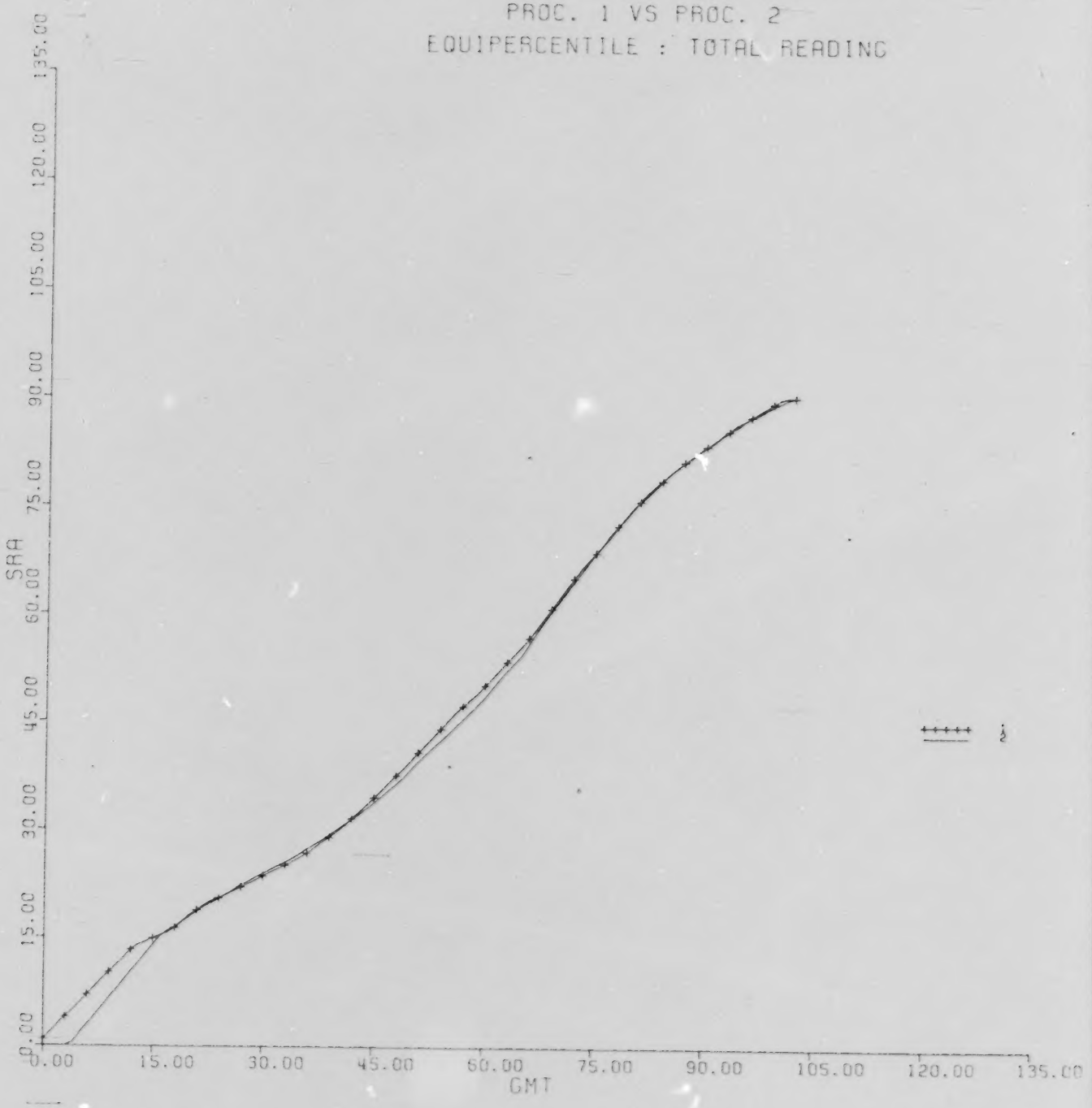
GRAPH 6122. ANCHOR TEST EQUATING STUDY: GRADE 5
PROC. 1 VS PROC. 2
EQUIPERCENTILE : TOTAL READING



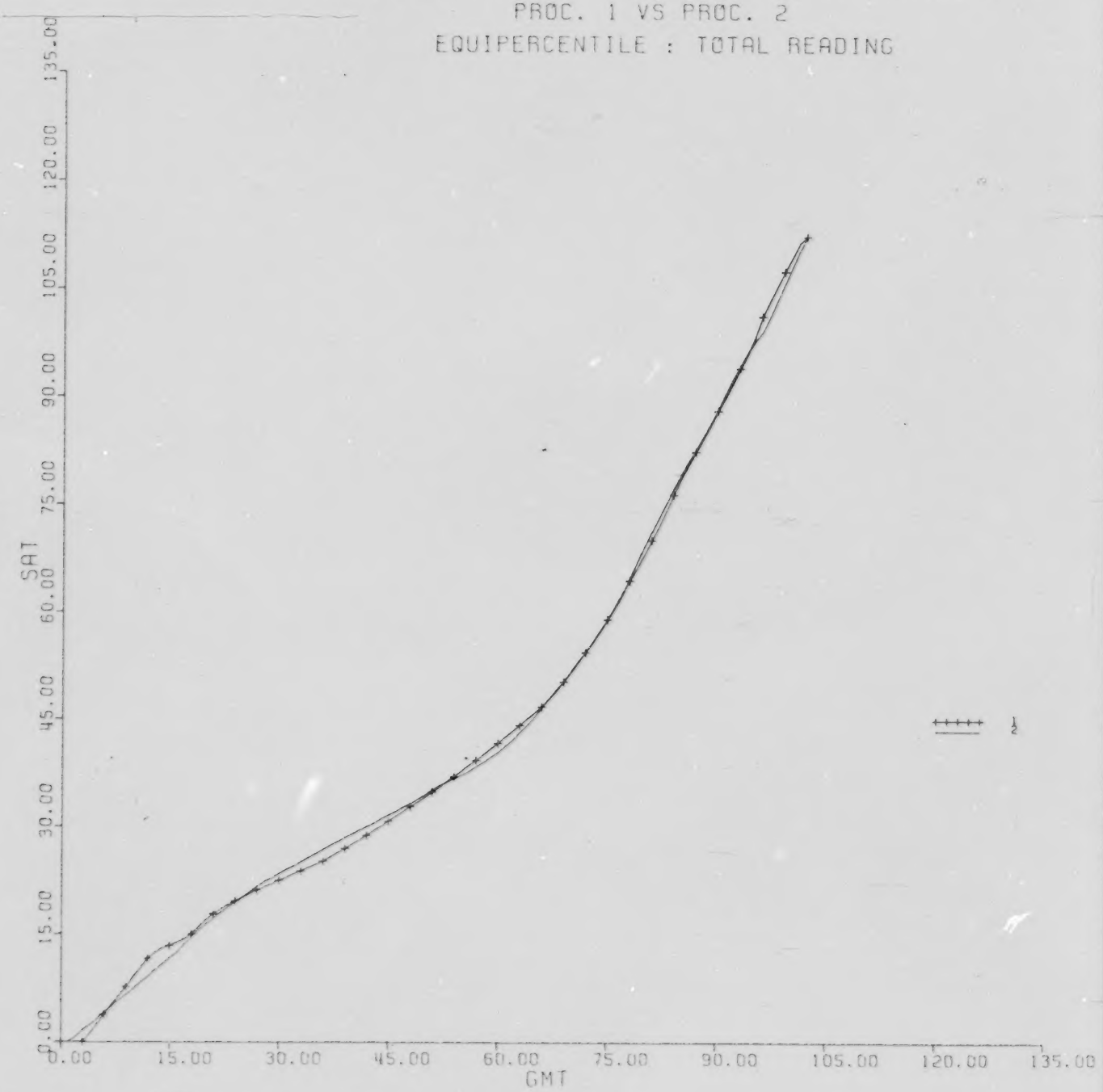
GRAPH 6123. ANCHOR TEST EQUATING STUDY: GRADE 5
PROC. 1 VS PROC. 2
EQUIPERCENTILE : TOTAL READING



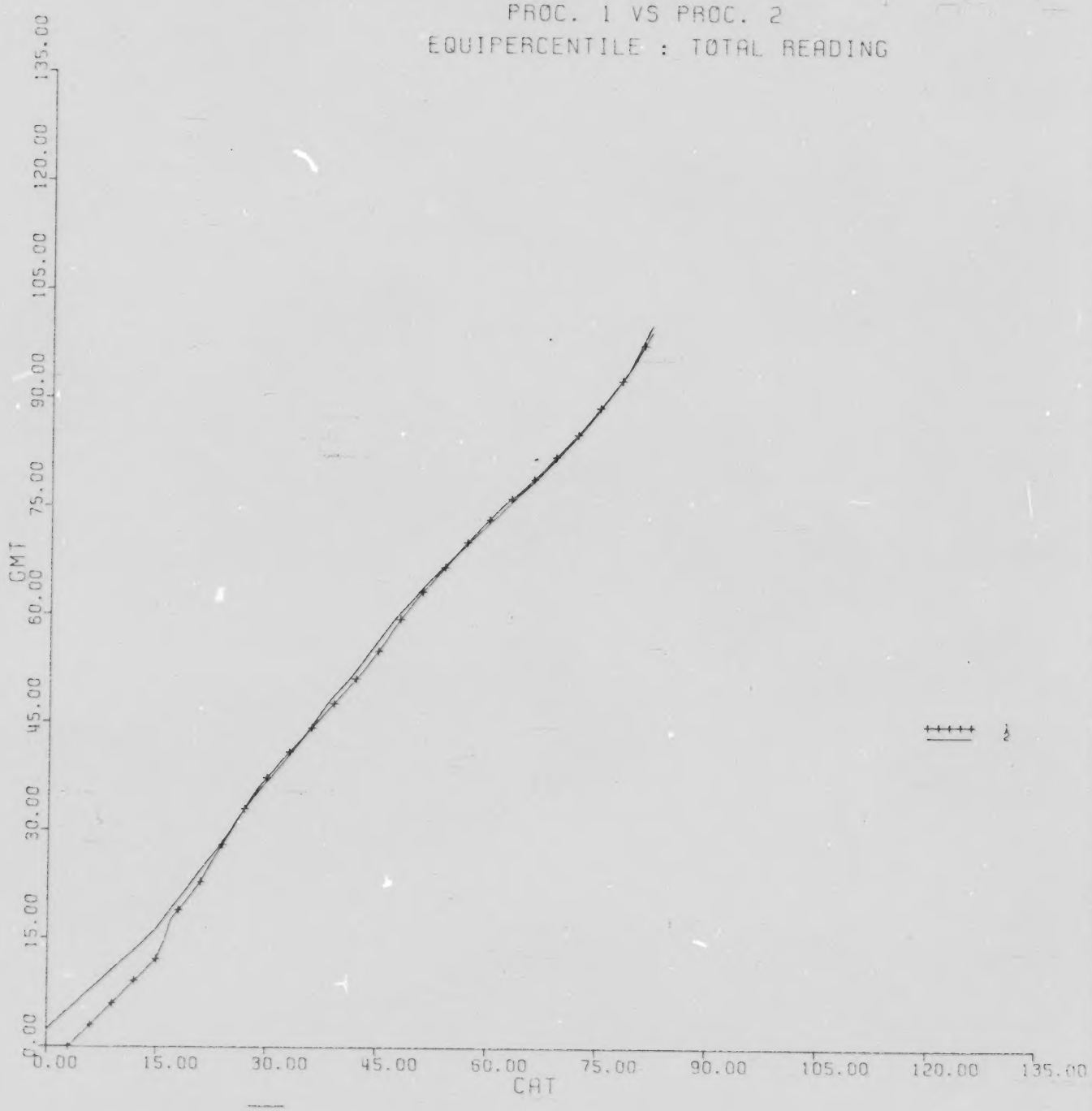
GRAPH 6124. ANCHOR TEST EQUATING STUDY: GRADE 5
PROC. 1 VS PROC. 2
EQUIPERCENTILE : TOTAL READING



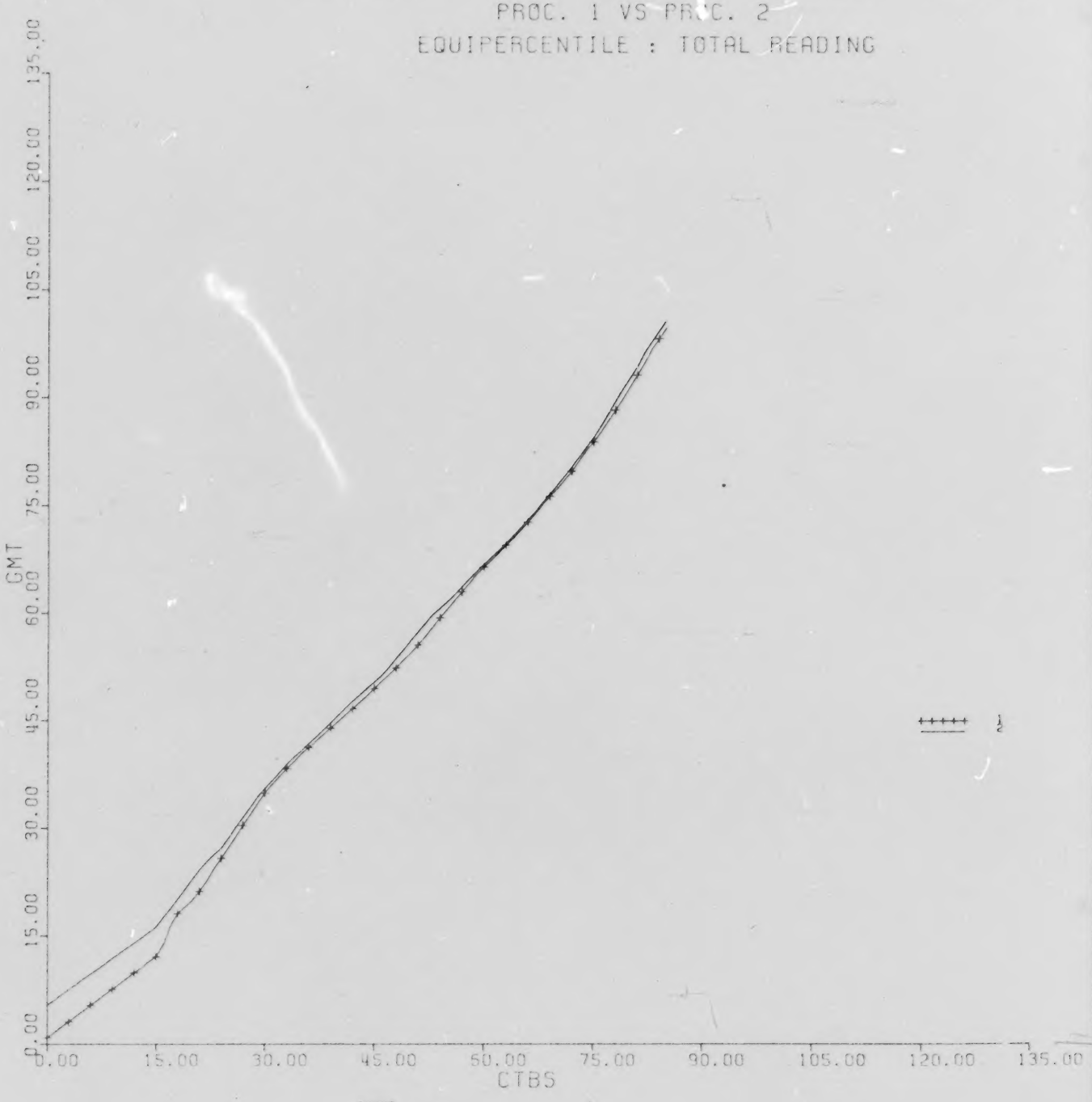
GRAPH 6125. ANCHOR TEST EQUATING STUDY: GRADE 5
PROC. 1 VS PROC. 2
EQUIPERCENTILE : TOTAL READING



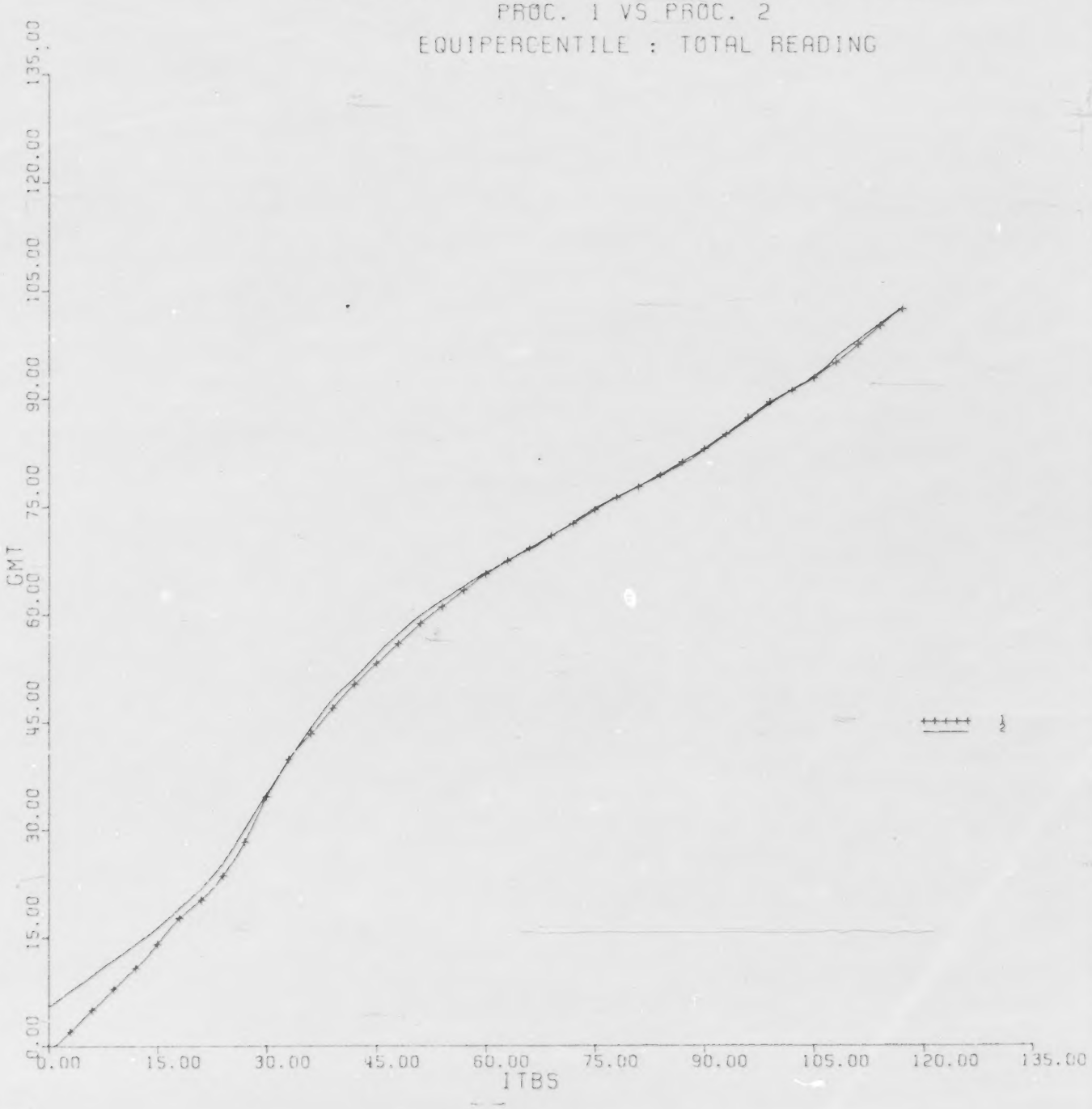
GRAPH 6126. ANCHOR TEST EQUATING STUDY: GRADE 5
PROC. 1 VS PROC. 2
EQUIPERCENTILE : TOTAL READING



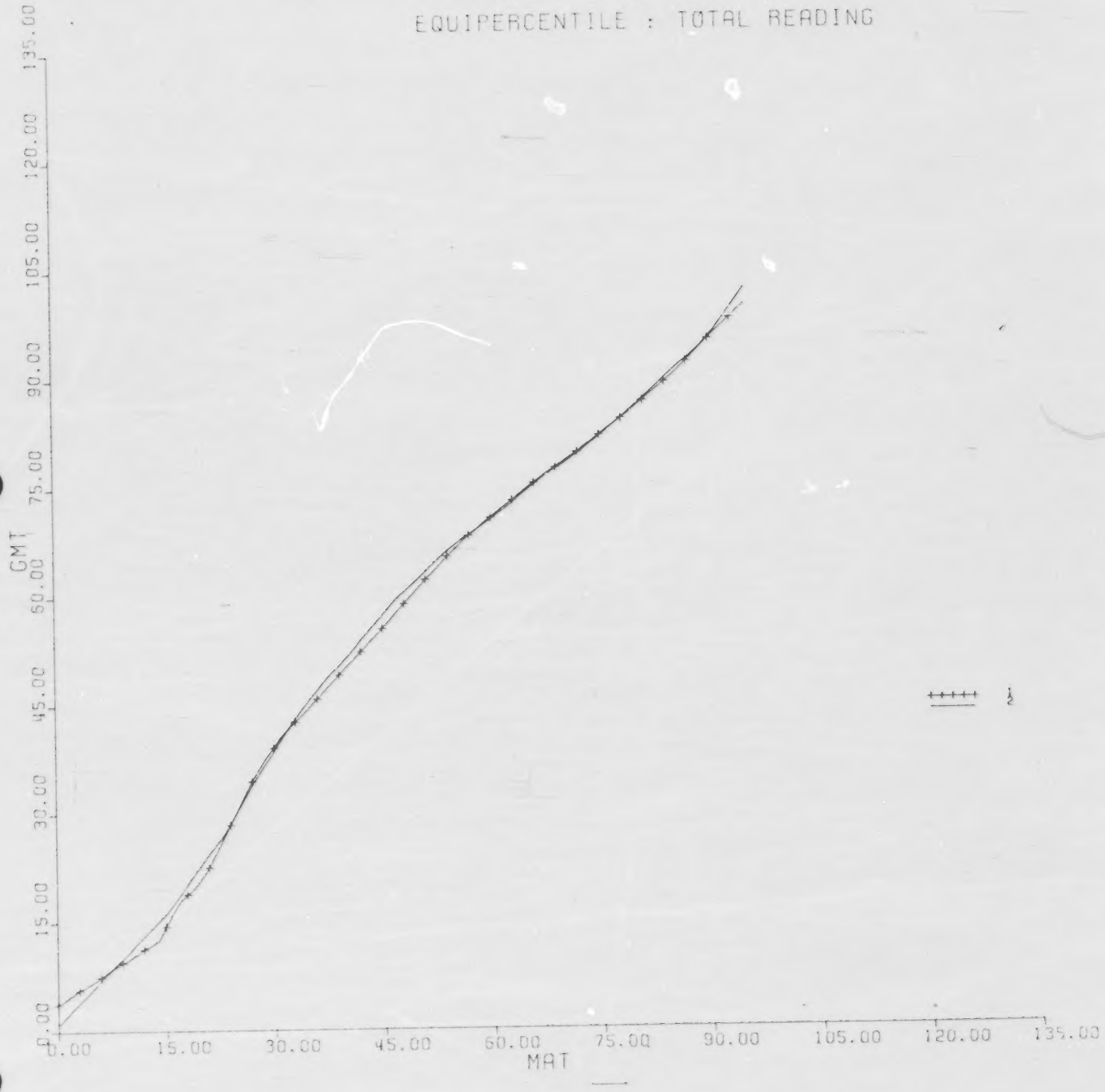
GRAPH 6127. ANCHOR TEST EQUATING STUDY: GRADE 5
PROC. 1 VS PROC. 2
EQUIPERCENTILE : TOTAL READING



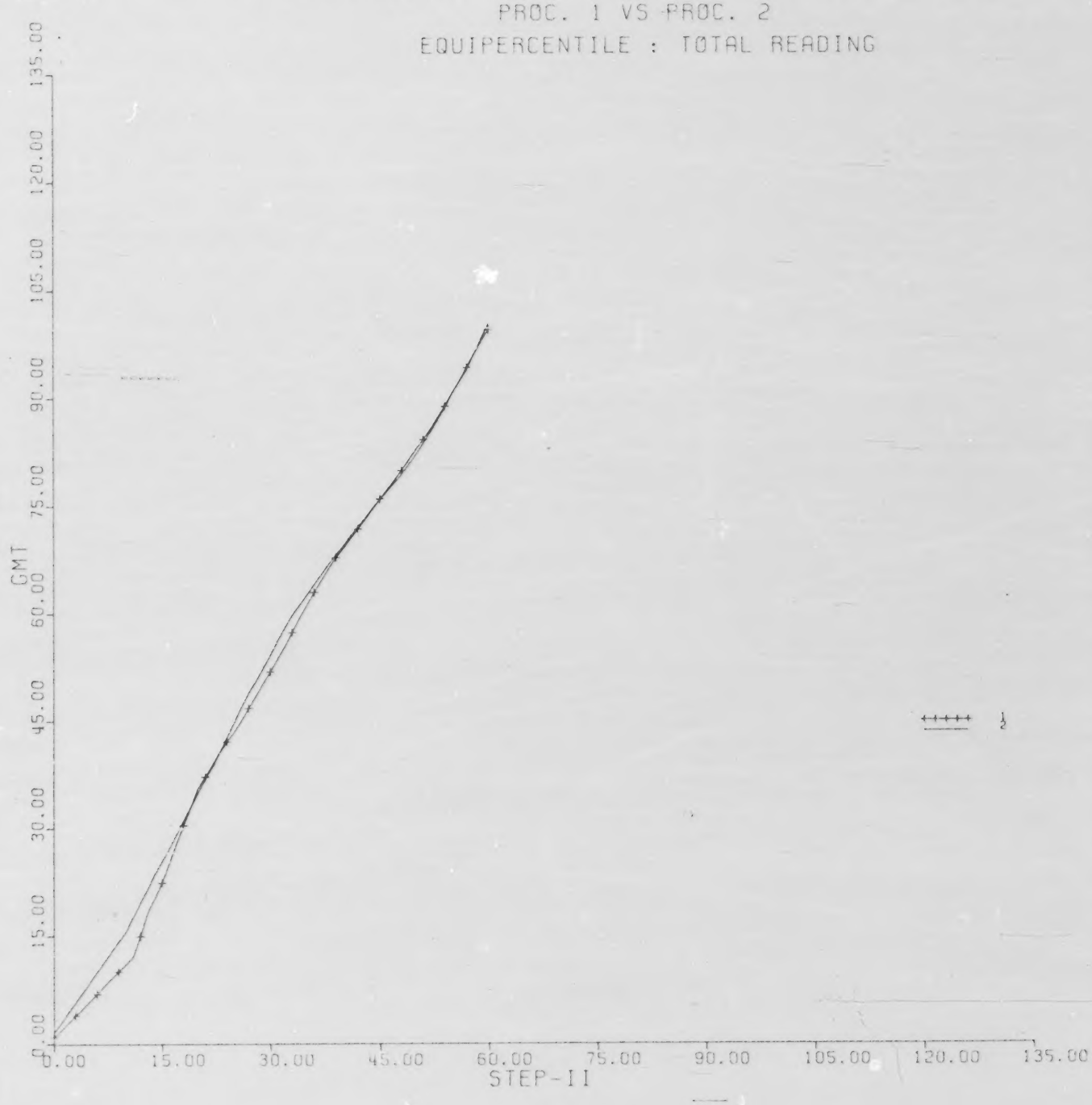
GRAPH 6128. ANCHOR TEST EQUATING STUDY: GRADE 5
PROC. 1 VS PROC. 2
EQUIPERCENTILE : TOTAL READING



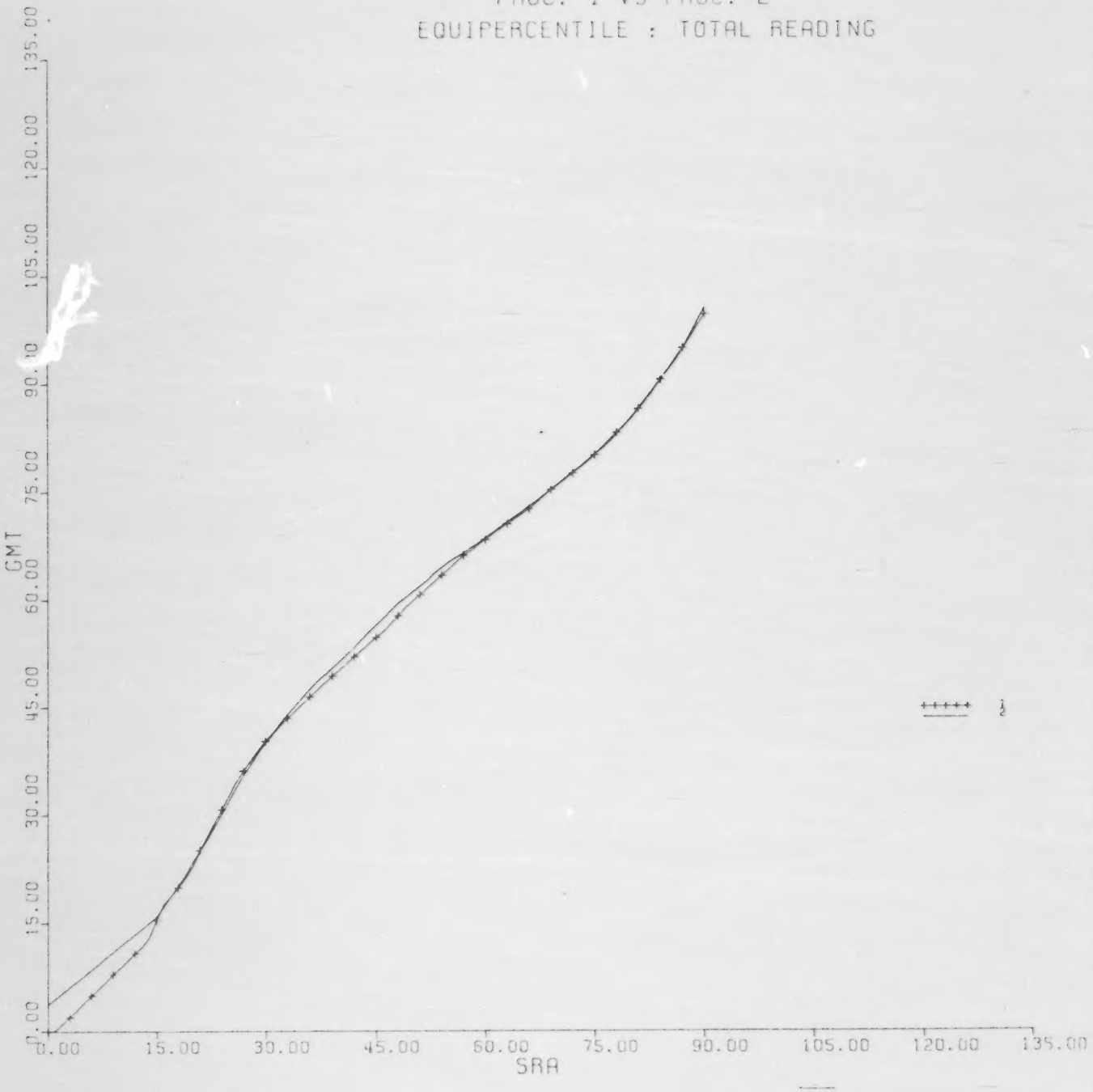
GRAPH 6129. ANCHOR TEST EQUATING STUDY: GRADE 5
PROC. 1 VS PROC. 2
EQUIPERCENTILE : TOTAL READING



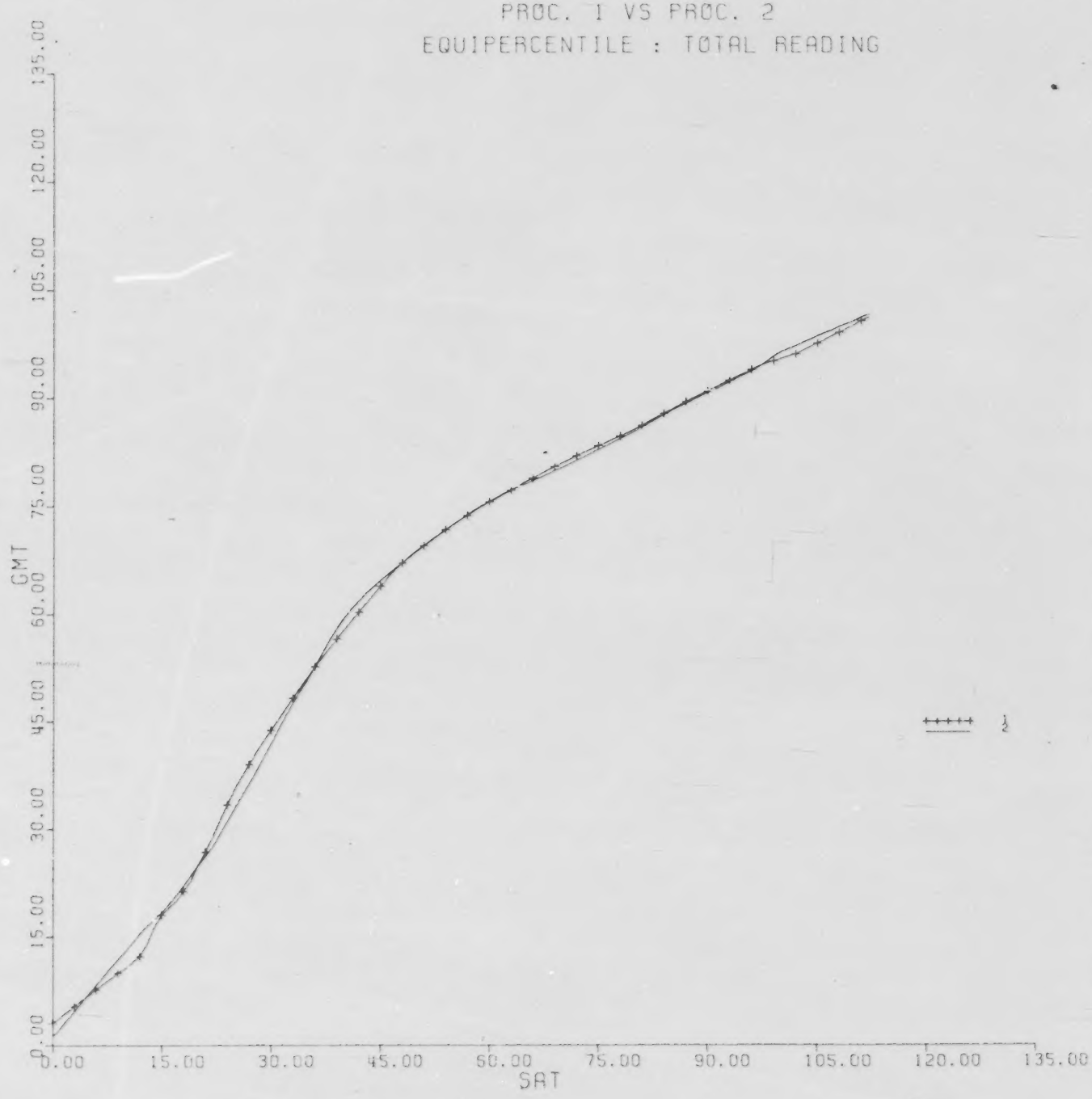
GRAPH 6130. ANCHOR TEST EQUATING STUDY: GRADE 5
PROC. 1 VS PROC. 2
EQUIPERCENTILE : TOTAL READING



GRAPH 6131. ANCHOR TEST EQUATING STUDY: GRADE 5
PROC. 1 VS PROC. 2
EQUIPERCENTILE : TOTAL READING



GRAPH 6132. ANCHOR TEST EQUATING STUDY: GRADE 5
PROC. 1 VS PROC. 2
EQUIPERCENTILE : TOTAL READING



ABBREVIATIONS, SYMBOLISMS, AND CROSS-REFERENCES
FOR THE ANCHOR TEST STUDY GRAPHS AT GRADE 6

Heading

Line 2:

(1) Proc. 1 —— Equating Procedure 1
(2) Proc. 2 —— Equating Procedure 2

Line 3:

(1) Equipercentile —— Equipercentile Equating Method
(2) Vocabulary —— Reading Vocabulary Subtest
(3) Comprehension —— Reading Comprehension Subtest
(4) Total Reading —— Total Reading Test

Axes

Abscissa:

(1) CAT —— California Achievement Tests, Reading 1970 Edition, Level 4, Form A, Raw Score Scale
(2) CTBS —— Comprehensive Tests of Basic Skills, Reading, 1968 Edition, Level 3, Form Q, Raw Score Scale
(3) ITBS —— Iowa Test of Basic Skills, Reading, 1971 Edition, Level 12, Form 5, Raw Score Scale
(4) MAT —— Metropolitan Achievement Tests, Reading, 1970 Edition, Intermediate, Form F, Raw Score Scale
(5) STEP II —— Sequential Tests of Educational Progress Series II, Reading, 1969 Edition, Level 4, Form A, Raw Score Scale
(6) SRA —— SRA Achievement Series, Reading, 1971 Edition, Green, Form E, Raw Score Scale
(7) SAT —— Stanford Achievement Test, Reading, 1964 Edition, Intermediate II, Form W, Raw Score Scale
(8) GMT —— Gates MacGinitie Reading Tests, 1964 Edition, Survey D, Form 1, Raw Score Scale

Ordinate:

same as abscissa

Legend

1 —— Equating Procedure 1
2 —— Equating Procedure 2

PROCEDURE COMPARISON GRAPHS: GRADE 6
(Equating Procedure 1 vs. Equating Procedure 2)

VOCABULARY

Reference Test*	Equated To	Graph Number	Equating Table Numbers
GMT	other 7 tests	6133 thru 6139	2339 and 2347
CAT	GMT	6140	2332 and 2340
CTBS	GMT	6141	2333 and 2341
ITBS	GMT	6142	2334 and 2342
MAT	GMT	6143	2335 and 2343
STEP II	GMT	6144	2336 and 2344
SRA	GMT	6145	2337 and 2345
SAT	GMT	6146	2338 and 2346

READING COMPREHENSION

Reference Test*	Equated To	Graph Number	Equating Table Numbers
GMT	other 7 tests	6147 thru 6153	2363 and 2371
CAT	GMT	6154	2356 and 2364
CTBS	GMT	6155	2357 and 2365
ITBS	GMT	6156	2358 and 2366
MAT	GMT	6157	2359 and 2367
STEP II	GMT	6158	2360 and 2368
SRA	GMT	6159	2361 and 2369
SAT	GMT	6160	2362 and 2370

TOTAL READING

Reference Test*	Equated To	Graph Number	Equating Table Numbers
GMT	other 7 tests	6161 thru 6167	2387 and 2395
CAT	GMT	6168	2380 and 2388
CTBS	GMT	6169	2381 and 2389
ITBS	GMT	6170	2382 and 2390
MAT	GMT	6171	2383 and 2391
STEP II	GMT	6172	2384 and 2392
SRA	GMT	6173	2385 and 2393
SAT	GMT	6174	2386 and 2394

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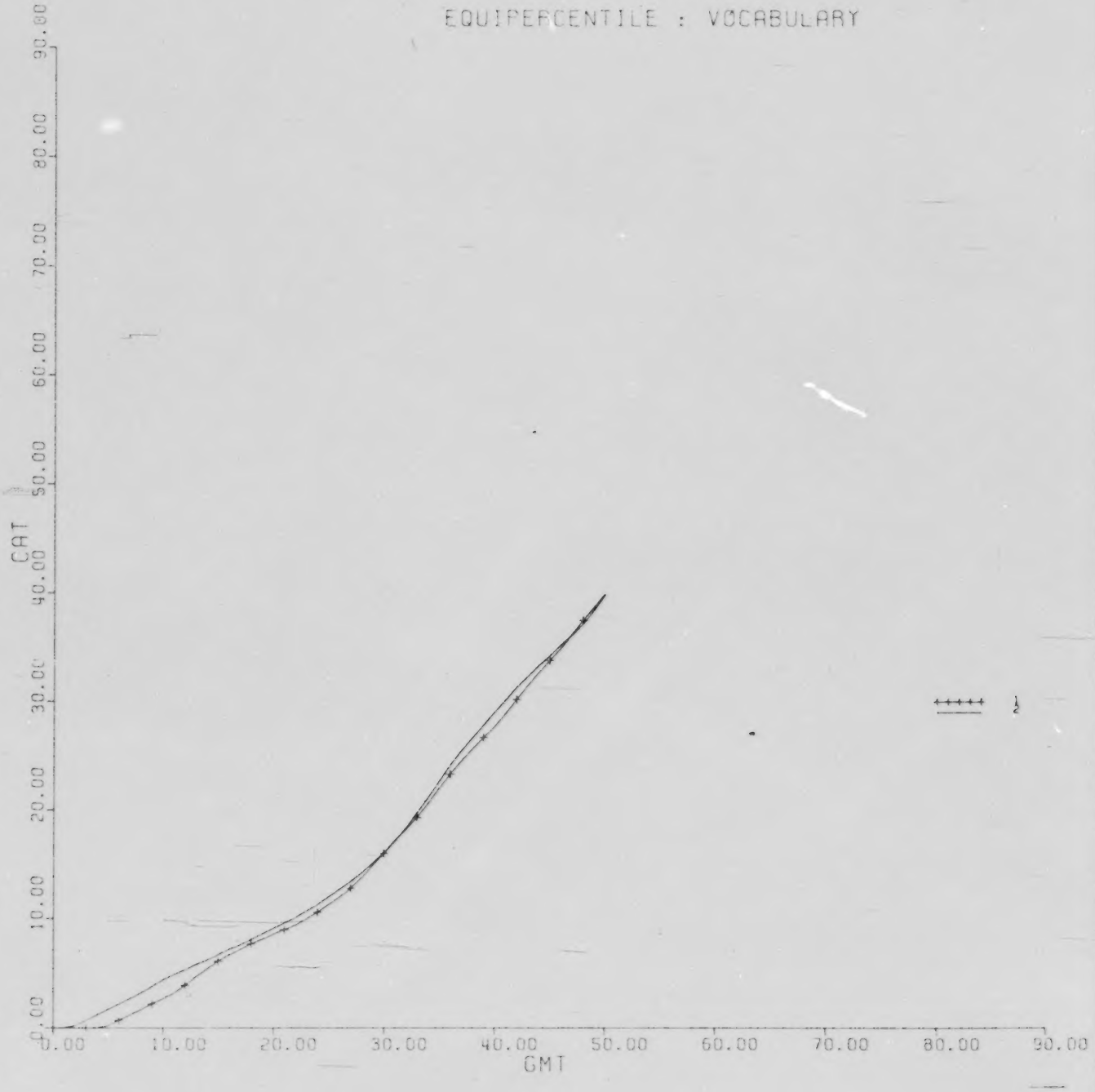
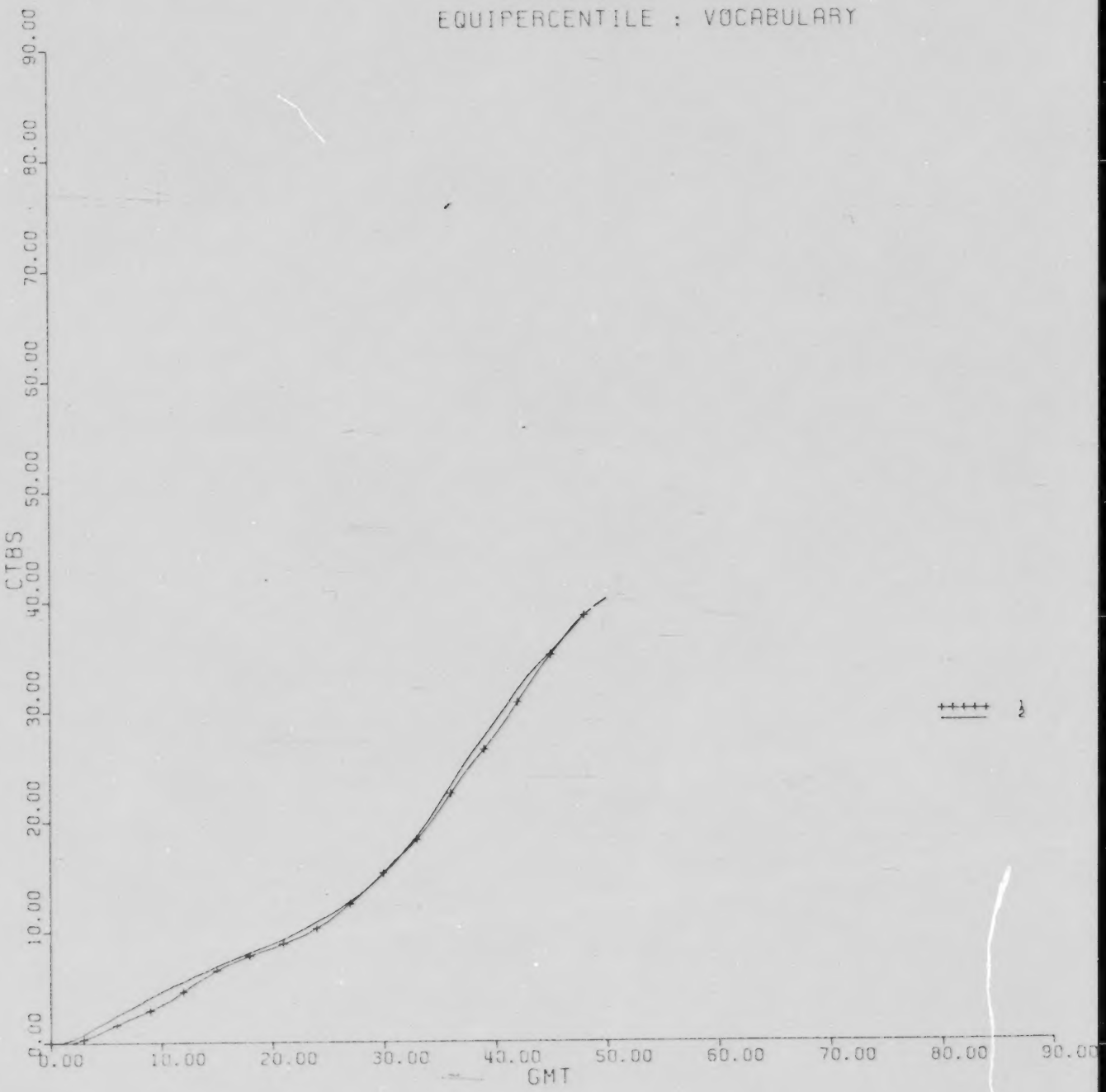
* The reference test appears as the abscissa and is the test equated to the one shown as the ordinate. In the case of the GMT, it appears as the abscissa of 7 graphs, each showing the equating lines of the GMT equated to one of the other tests. For the other seven tests, only the graphs showing the equating lines of each test equated to the GMT are given. The graphs showing the equating lines of each of these seven tests, when equated to each other, are given in the Anchor Test Study Report, Volume IX.

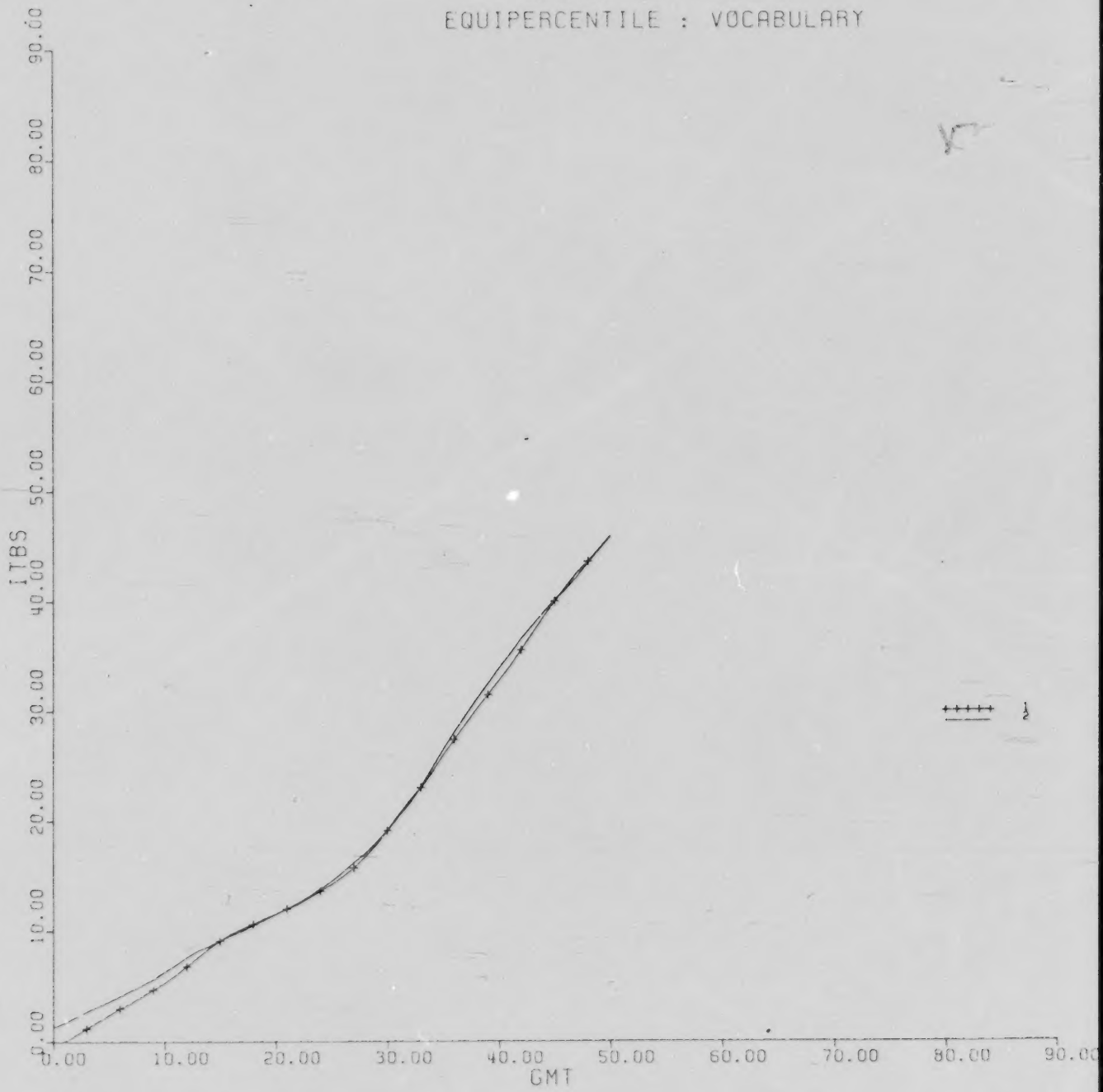
GRAPH 6133. ANCHOR TEST EQUATING STUDY: GRADE 6
PROC. 1 VS PROC. 2
EQUIPERCENTILE : VOCABULARY



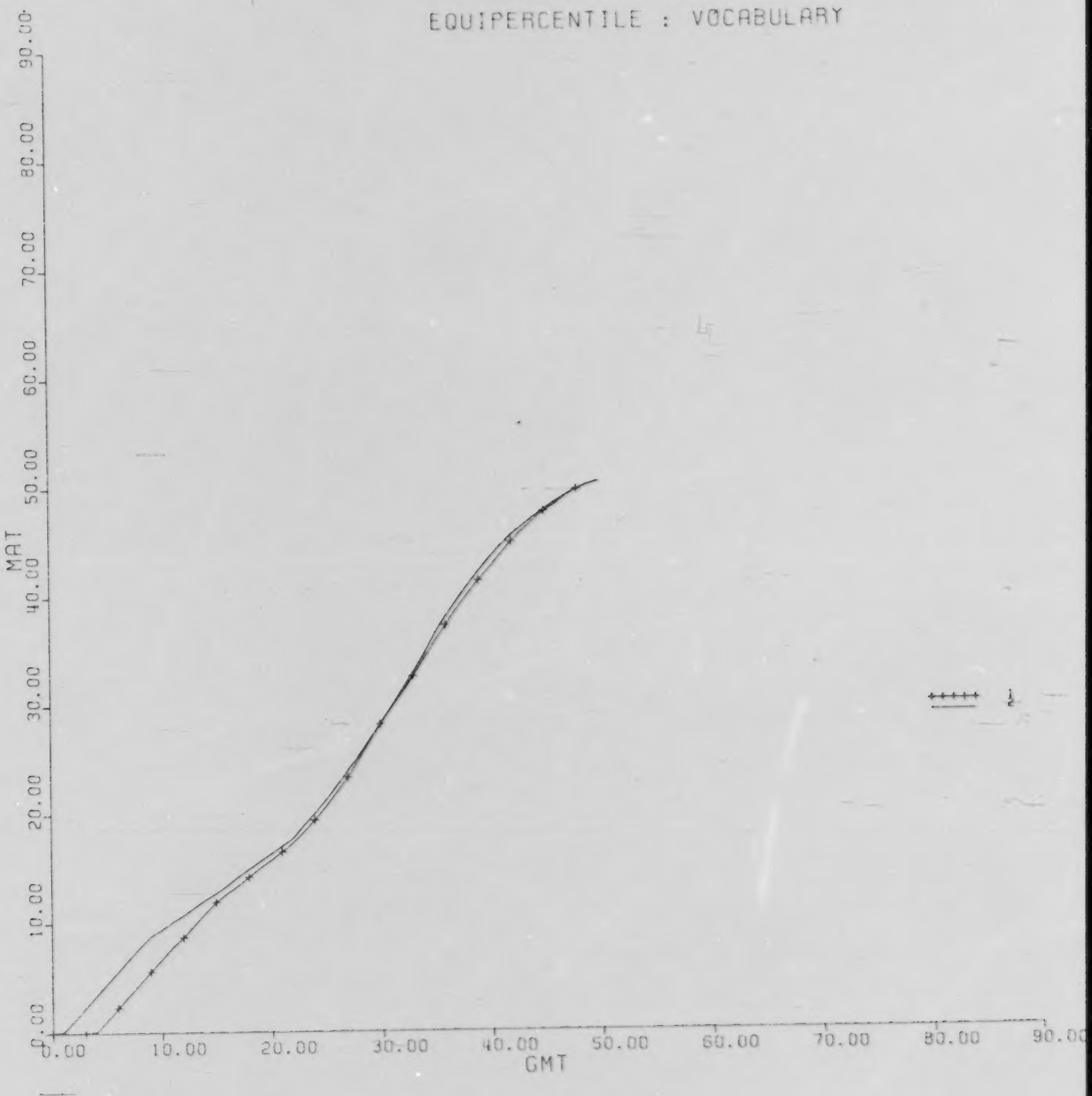
GRAPH 6134. ANCHOR TEST EQUATING STUDY: GRADE 6
PROC. 1 VS PROC. 2
EQUIPERCENTILE : VOCABULARY



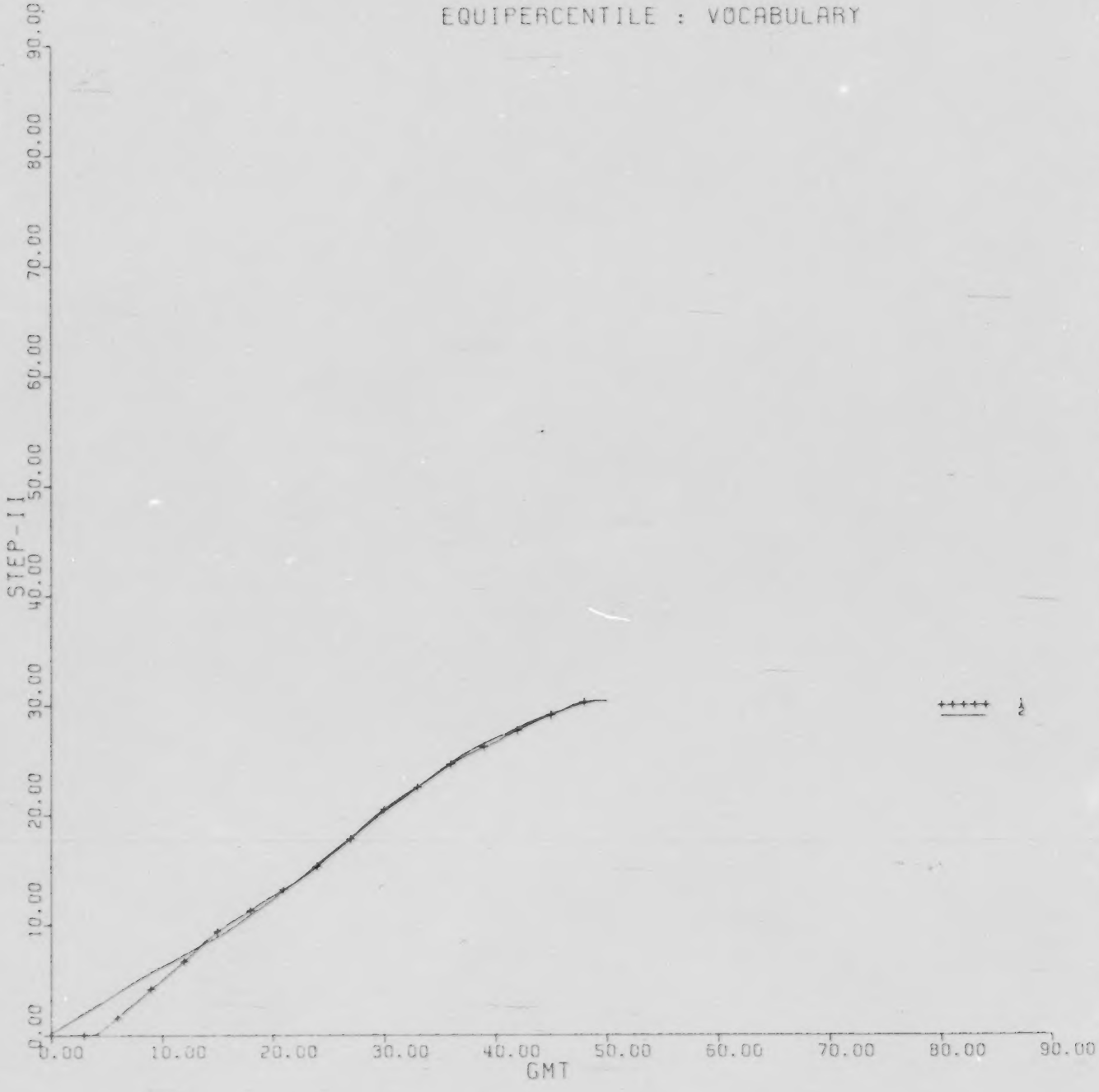
GRAPH 6135. ANCHOR TEST EQUATING STUDY: GRADE 6
PROC. 1 VS PROC. 2
EQUIPERCENTILE : VOCABULARY



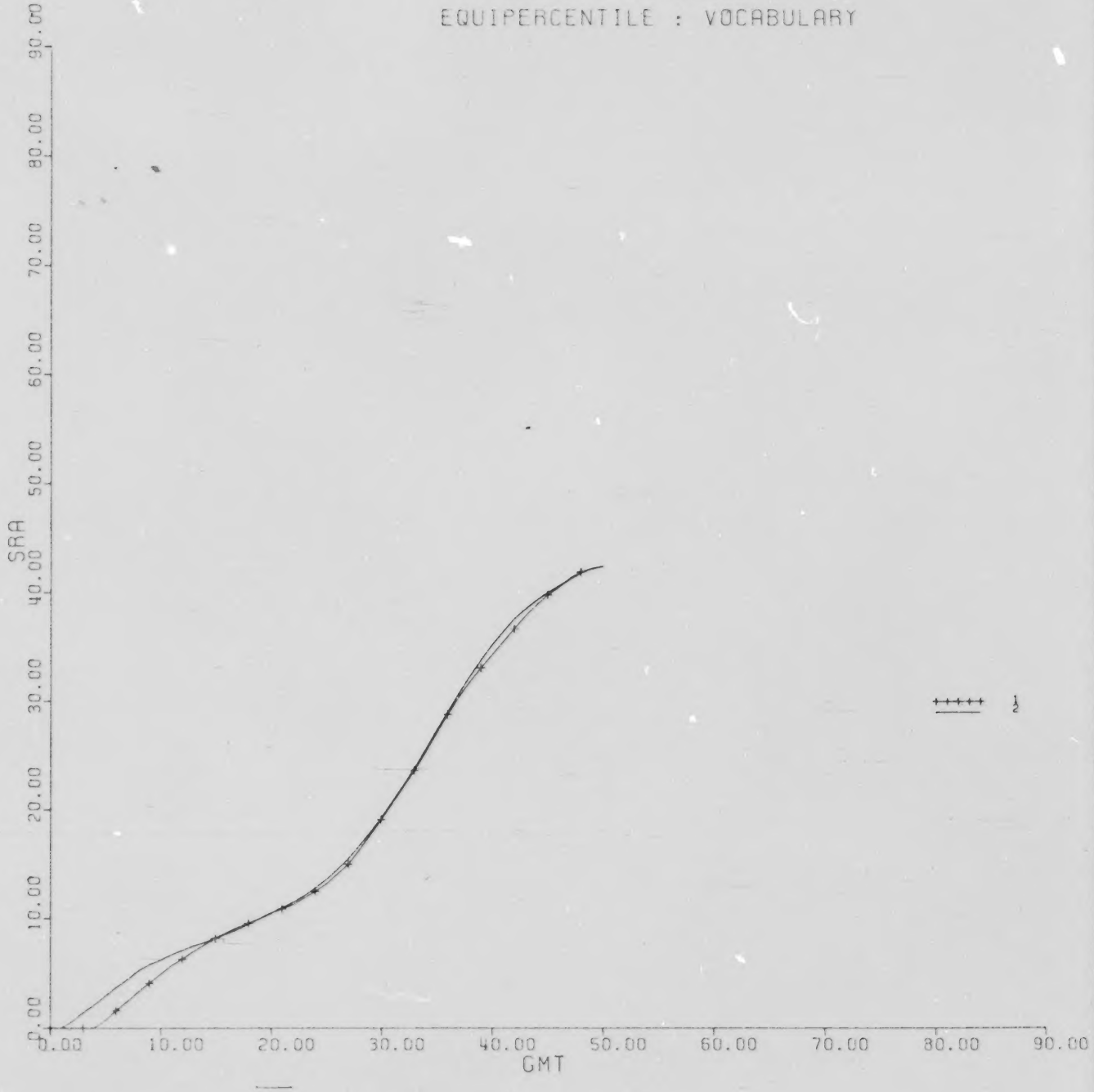
GRAPH 6136. ANCHOR TEST EQUATING STUDY: GRADE 6
PROC. 1 VS PROC. 2
EQUIPERCENTILE : VOCABULARY



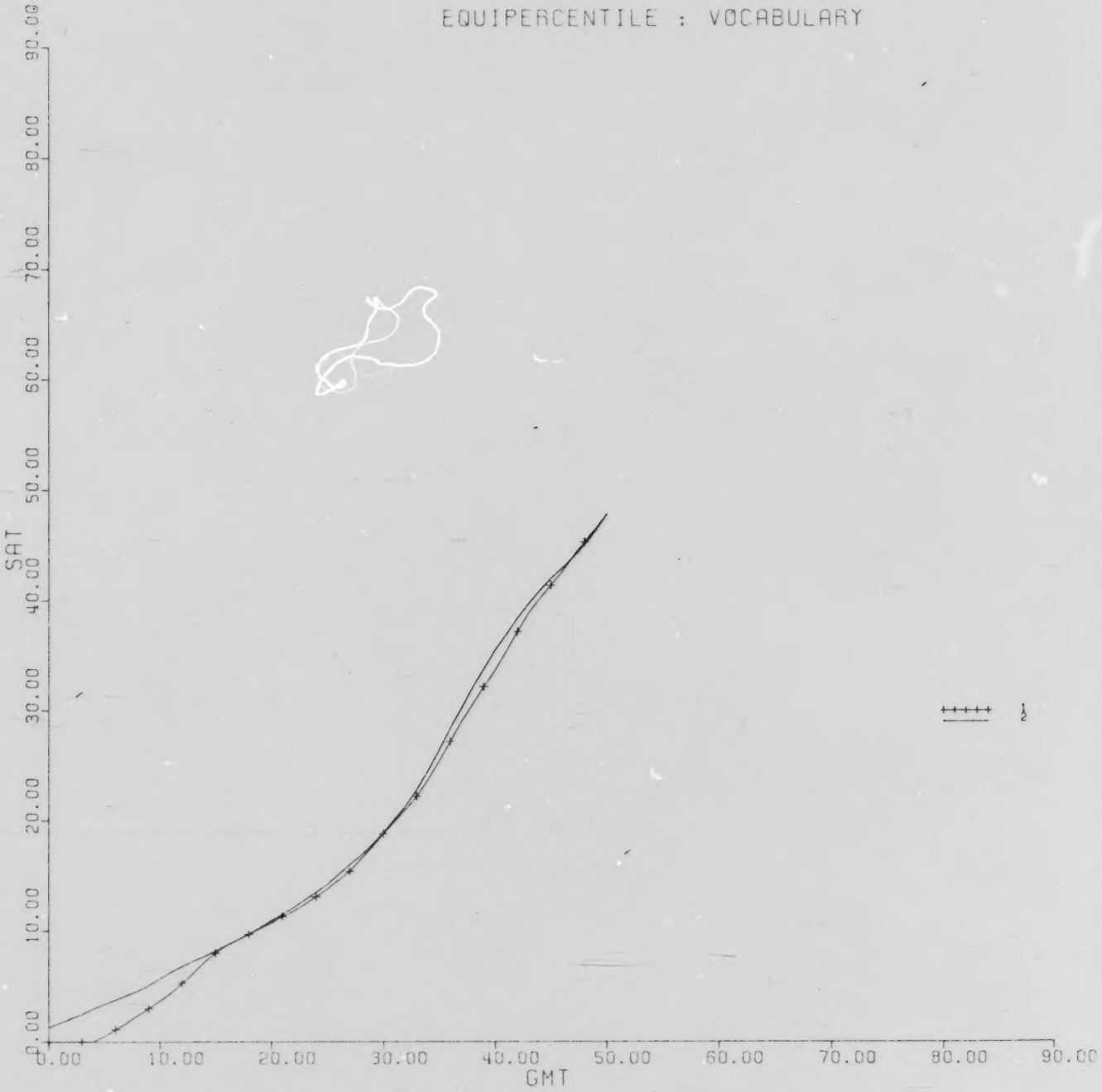
GRAPH 6137. ANCHOR TEST EQUATING STUDY: GRADE 6
PROC. 1 VS PROC. 2
EQUIPERCENTILE : VOCABULARY



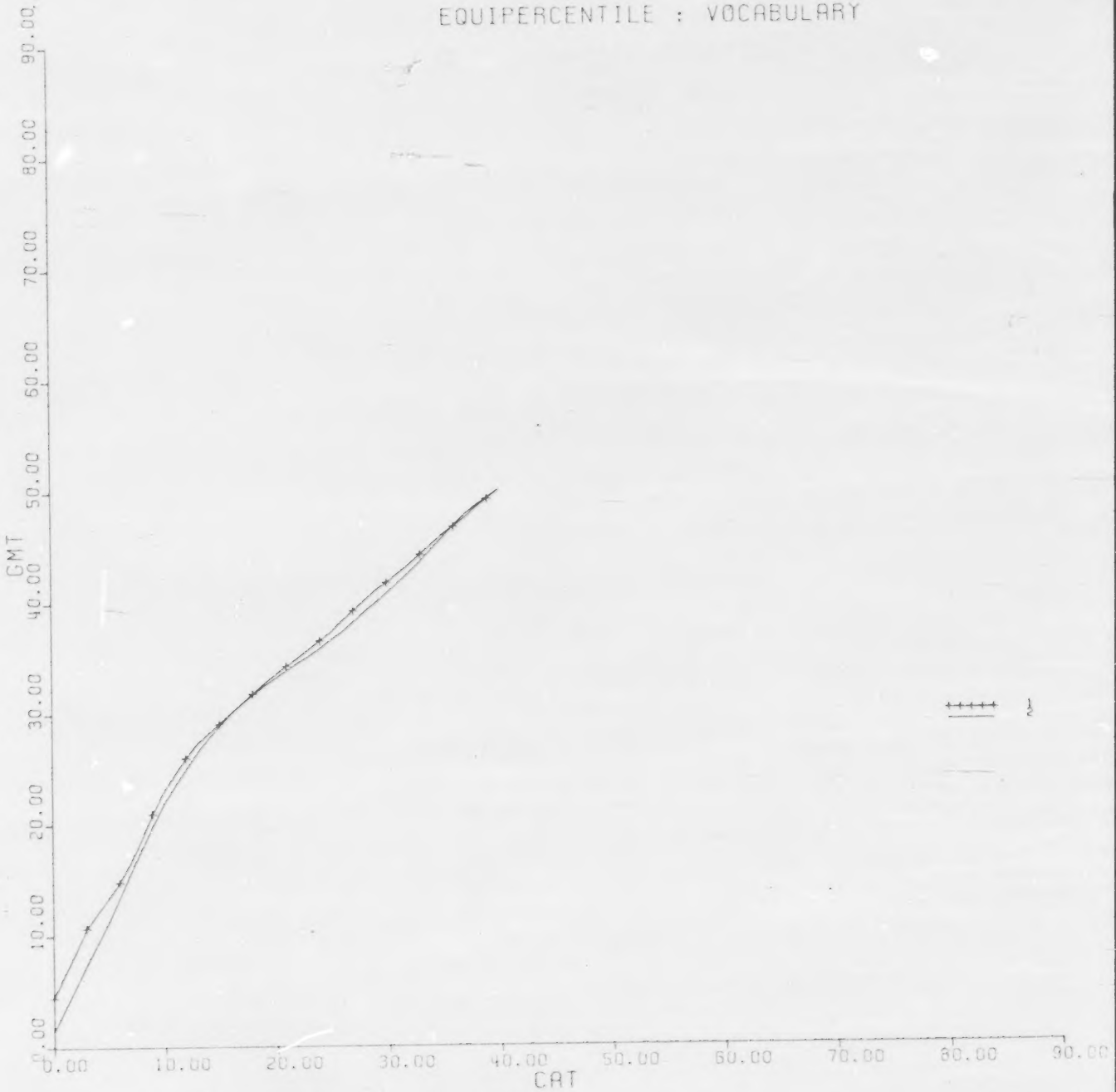
GRAPH G138. ANCHOR TEST EQUATING STUDY: GRADE 6
PROC. 1 VS PROC. 2
EQUIPERCENTILE : VOCABULARY



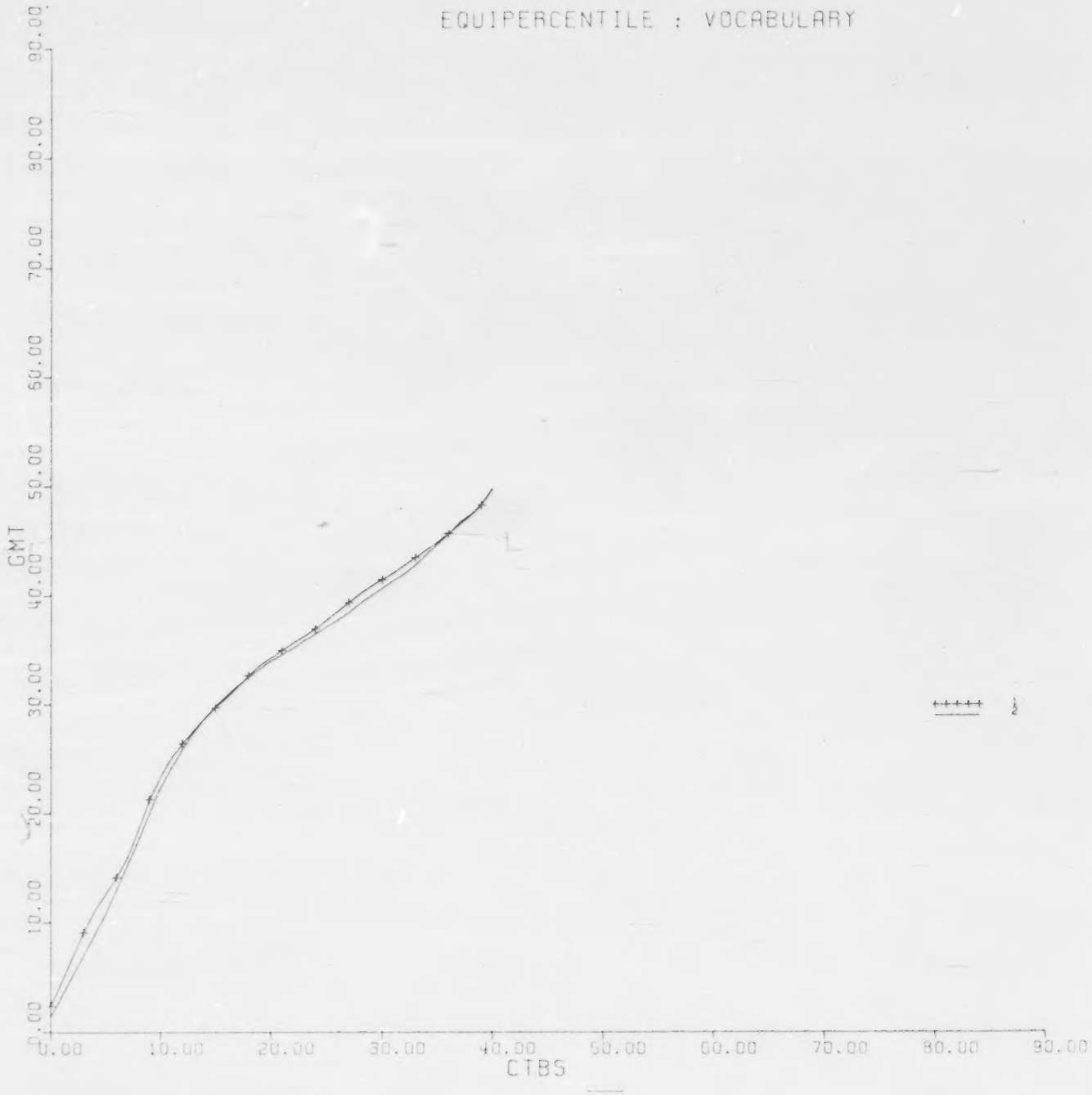
GRAPH 6139. ANCHOR TEST EQUATING STUDY: GRADE 6
PROC. 1 VS PROC. 2
EQUIPERCENTILE : VOCABULARY



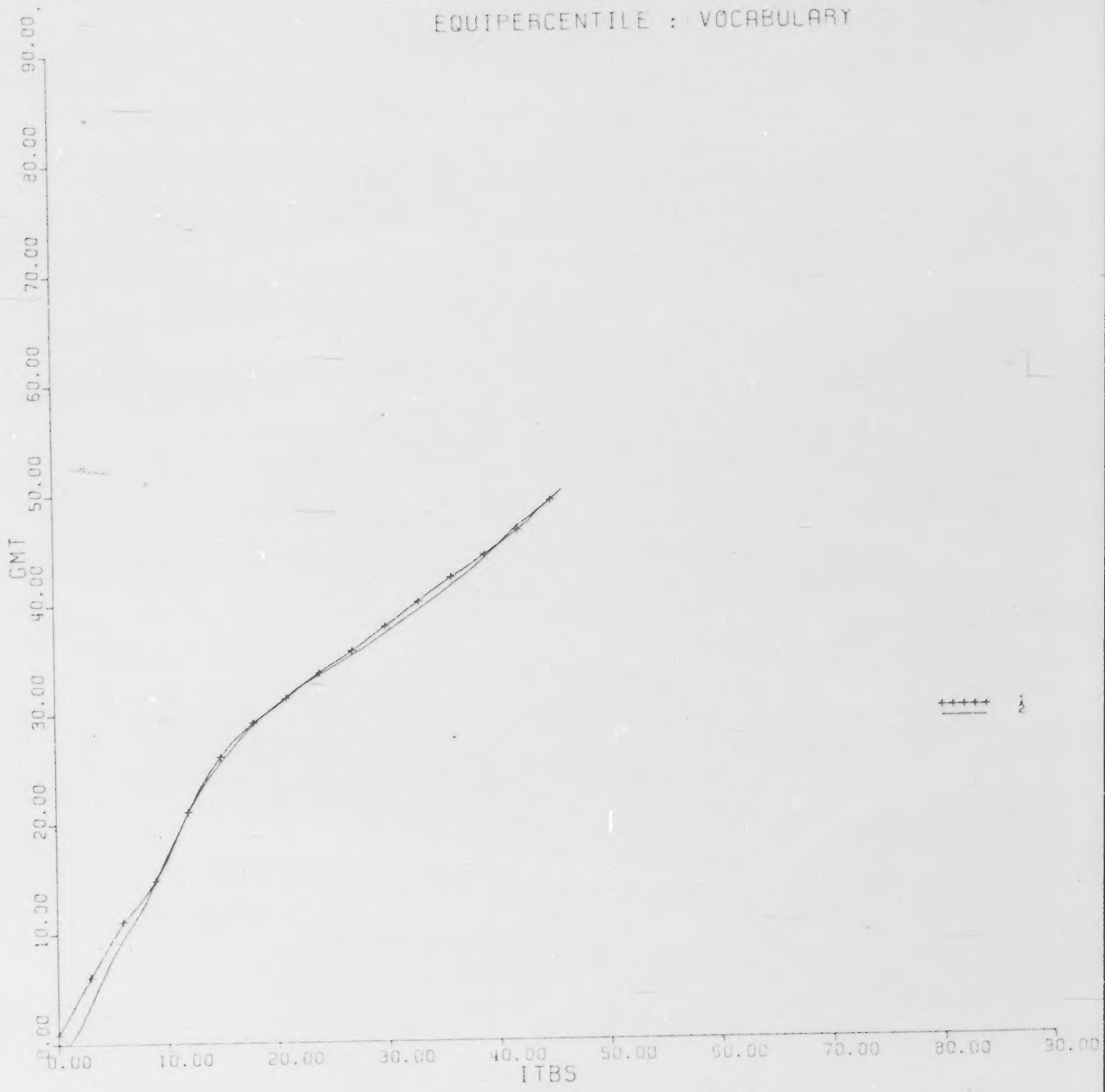
GRAPH 6140. ANCHOR TEST EQUATING STUDY: GRADE 6
PROC. 1 VS PROC. 2
EQUIPERCENTILE : VOCABULARY



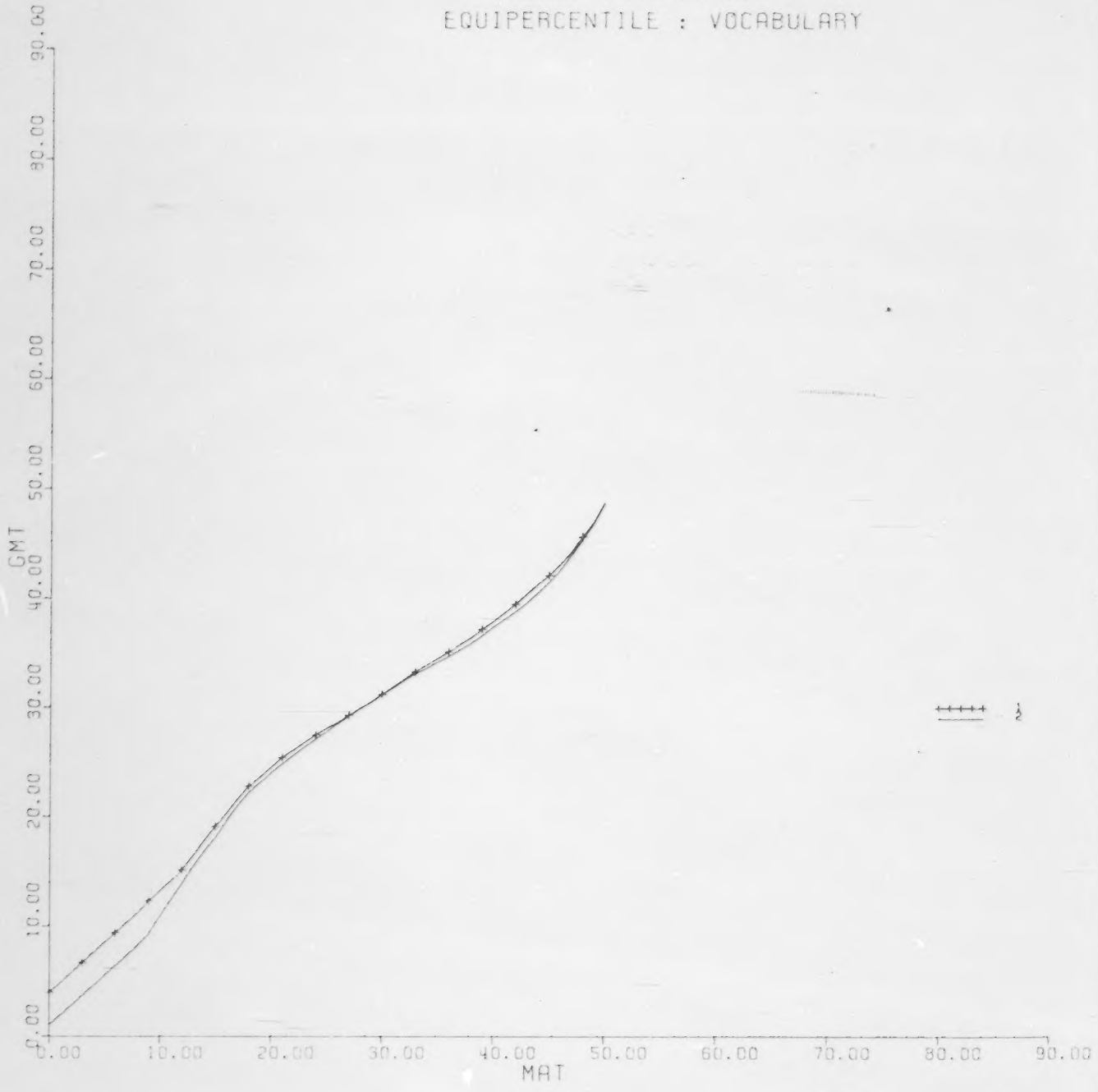
GRAPH 6141. ANCHOR TEST EQUATING STUDY: GRADE 6
PROC. 1 VS PROC. 2
EQUIPERCENTILE : VOCABULARY



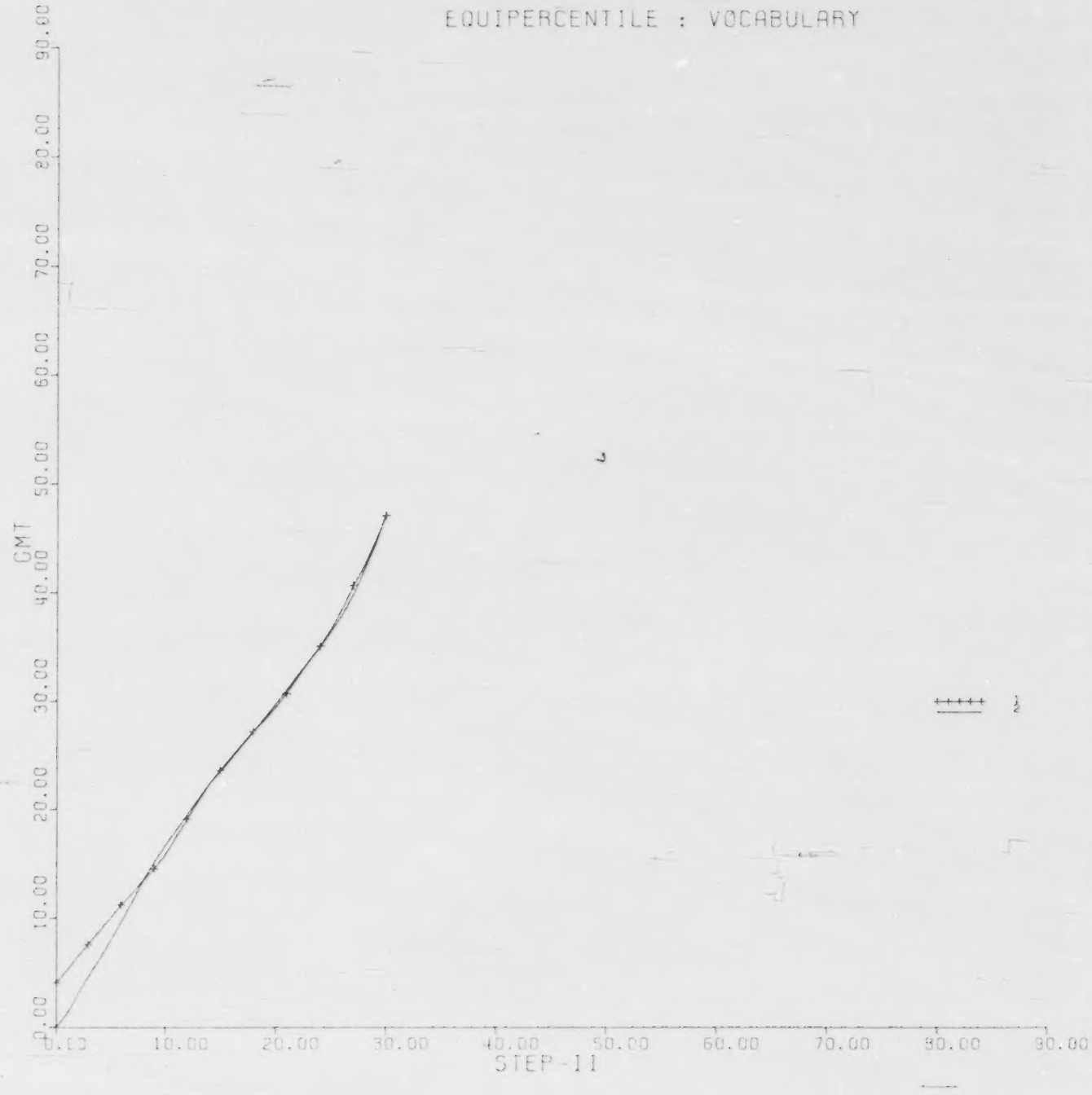
GRAPH 6142. ANCHOR TEST EQUATING STUDY: GRADE 6
PROC. 1 VS PROC. 2
EQUIPERCENTILE : VOCABULARY



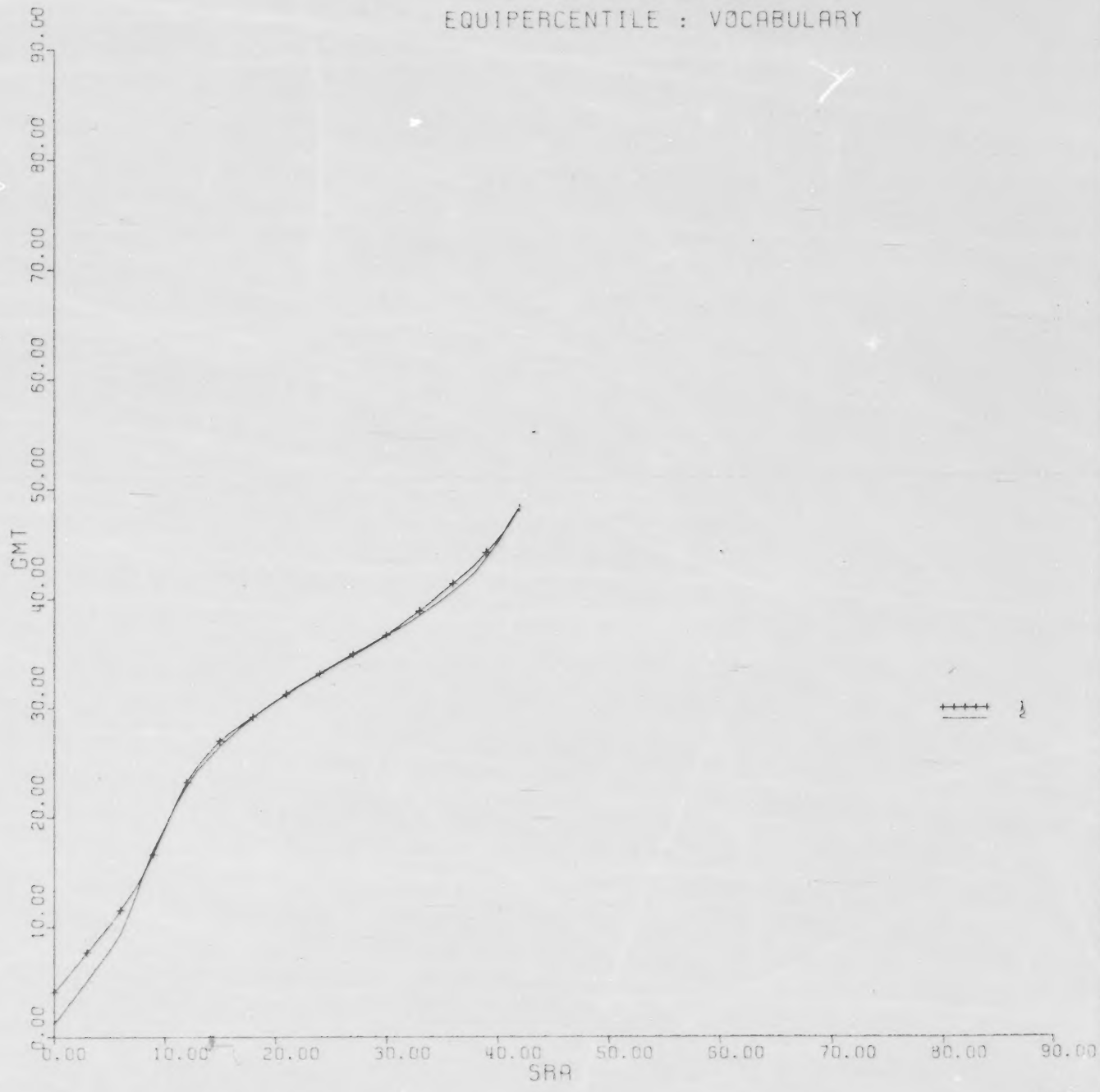
GRAPH 6143. ANCHOR TEST EQUATING STUDY: GRADE 6
PROC. 1 VS PROC. 2
EQUIPERCENTILE : VOCABULARY



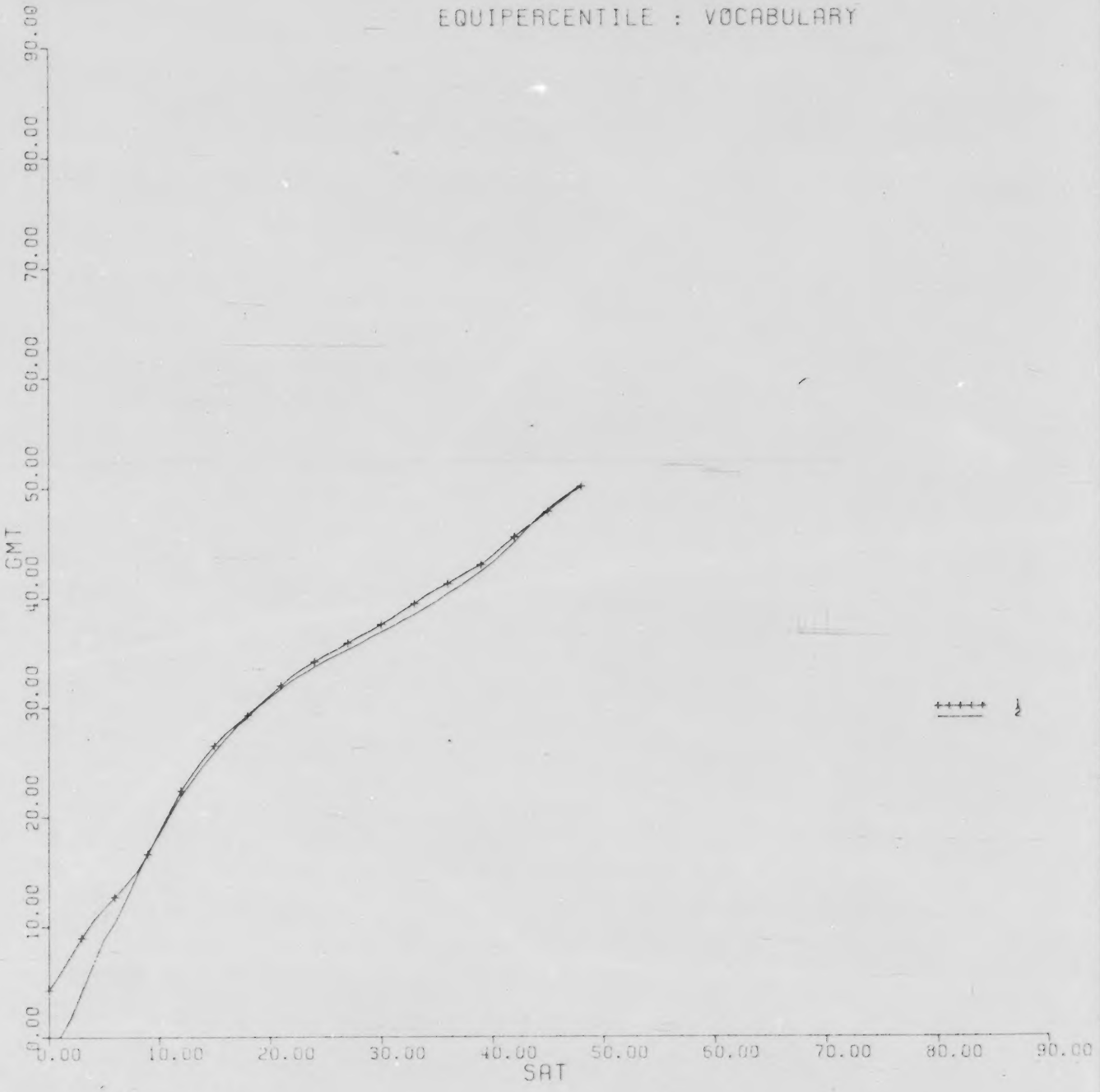
GRAPH 6144. ANCHOR TEST EQUATING STUDY: GRADE 6
PROC. 1 VS PROC. 2
EQUIPERCENTILE : VOCABULARY



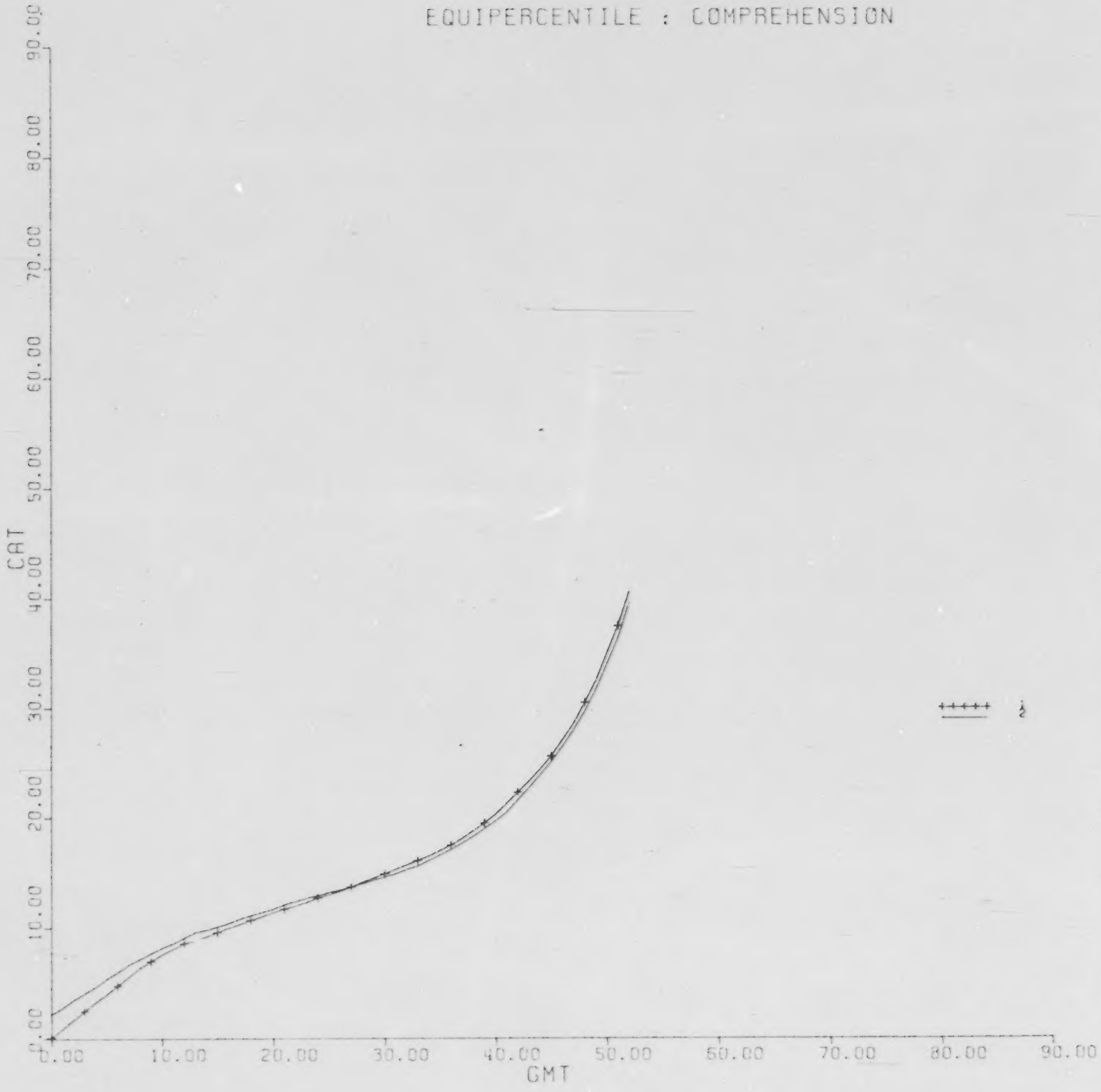
GRAPH 6145. ANCHOR TEST EQUATING STUDY: GRADE 6
PROC. 1 VS PROC. 2
EQUIPERCENTILE : VOCABULARY



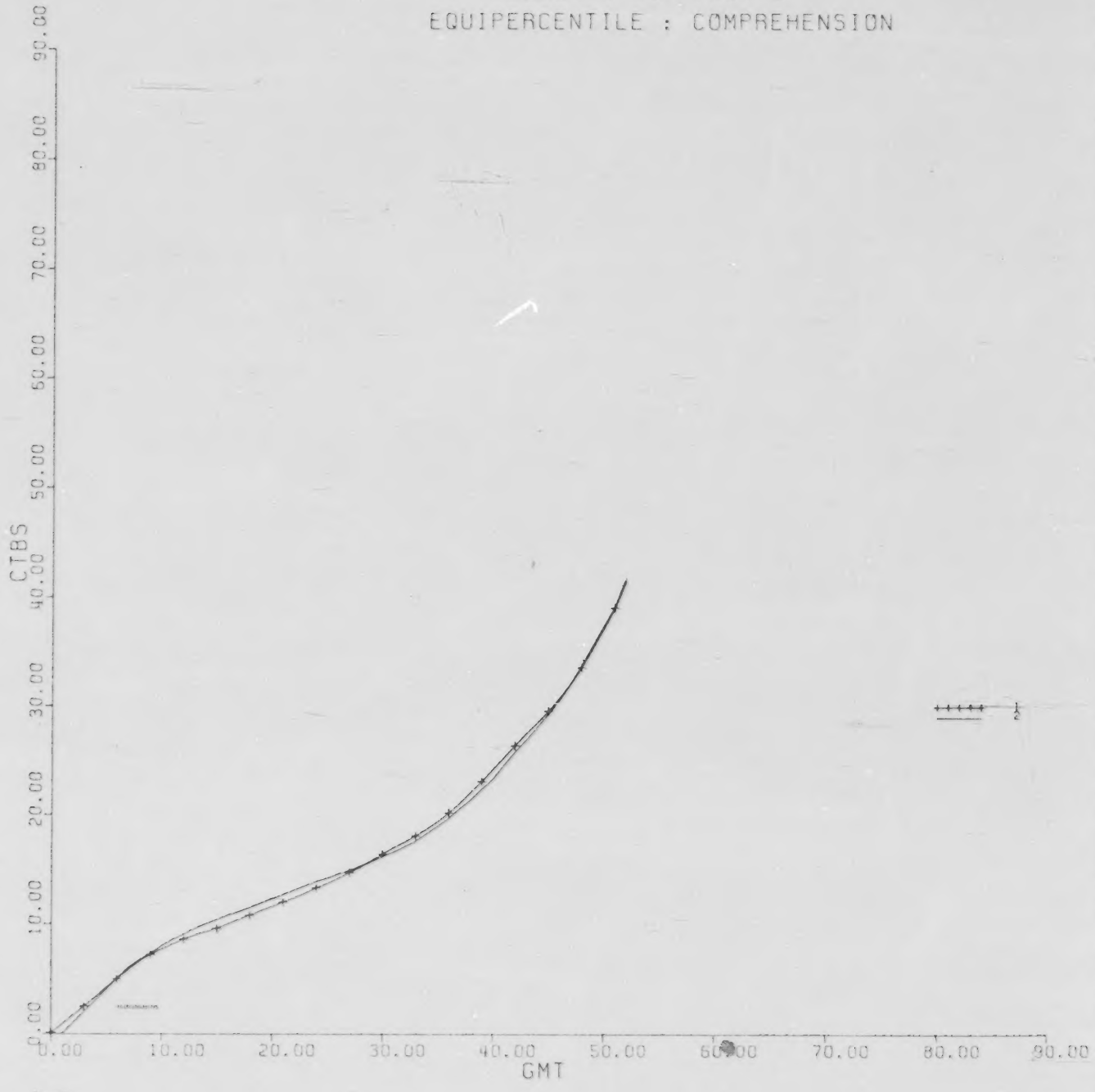
GRAPH 6146. ANCHOR TEST EQUATING STUDY: GRADE 6
PROC. 1 VS PROC. 2
EQUIPERCENTILE : VOCABULARY



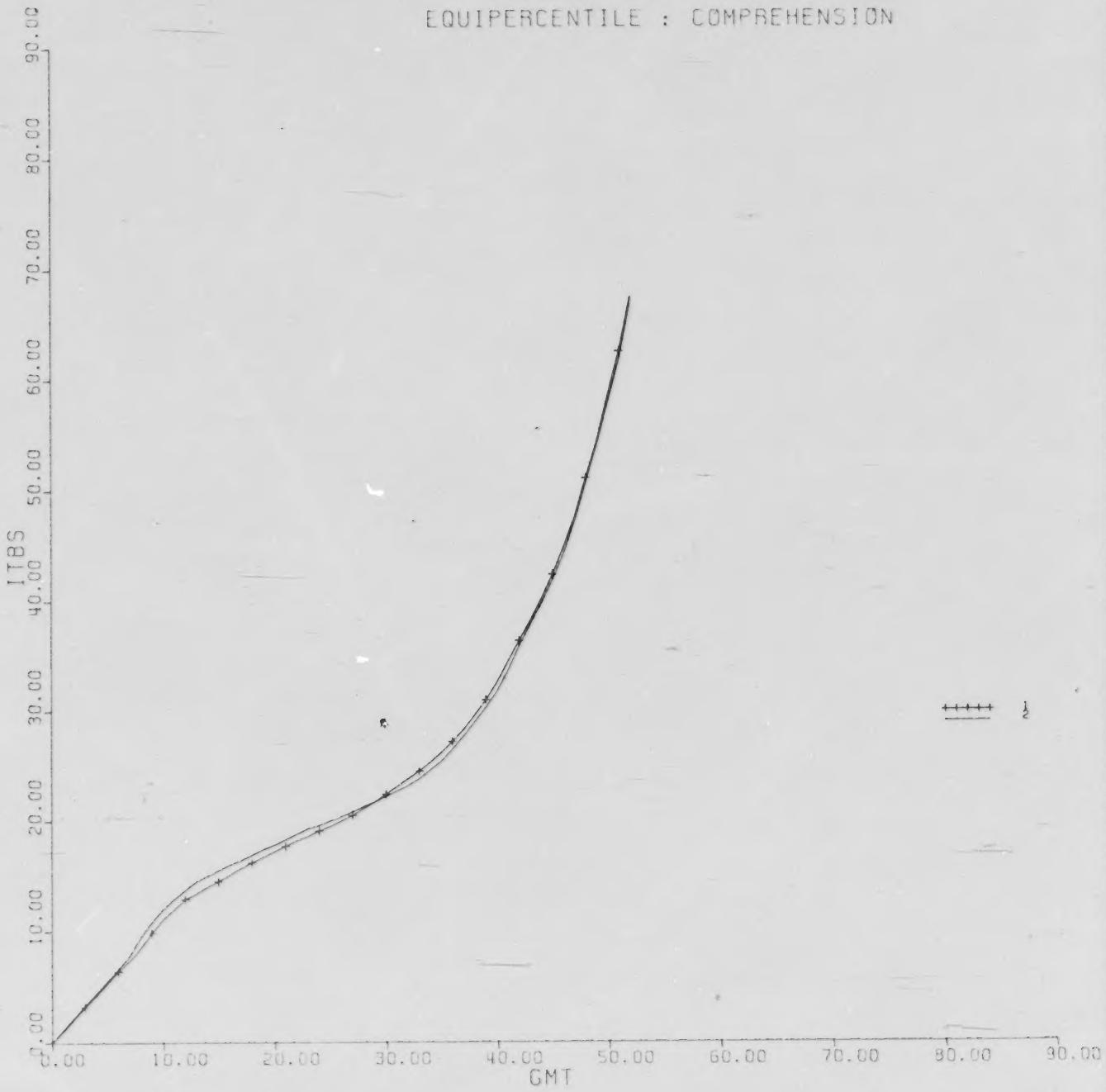
GRAPH 6147. ANCHOR TEST EQUATING STUDY: GRADE 6
PROC. 1 VS PROC. 2
EQUIPERCENTILE : COMPREHENSION



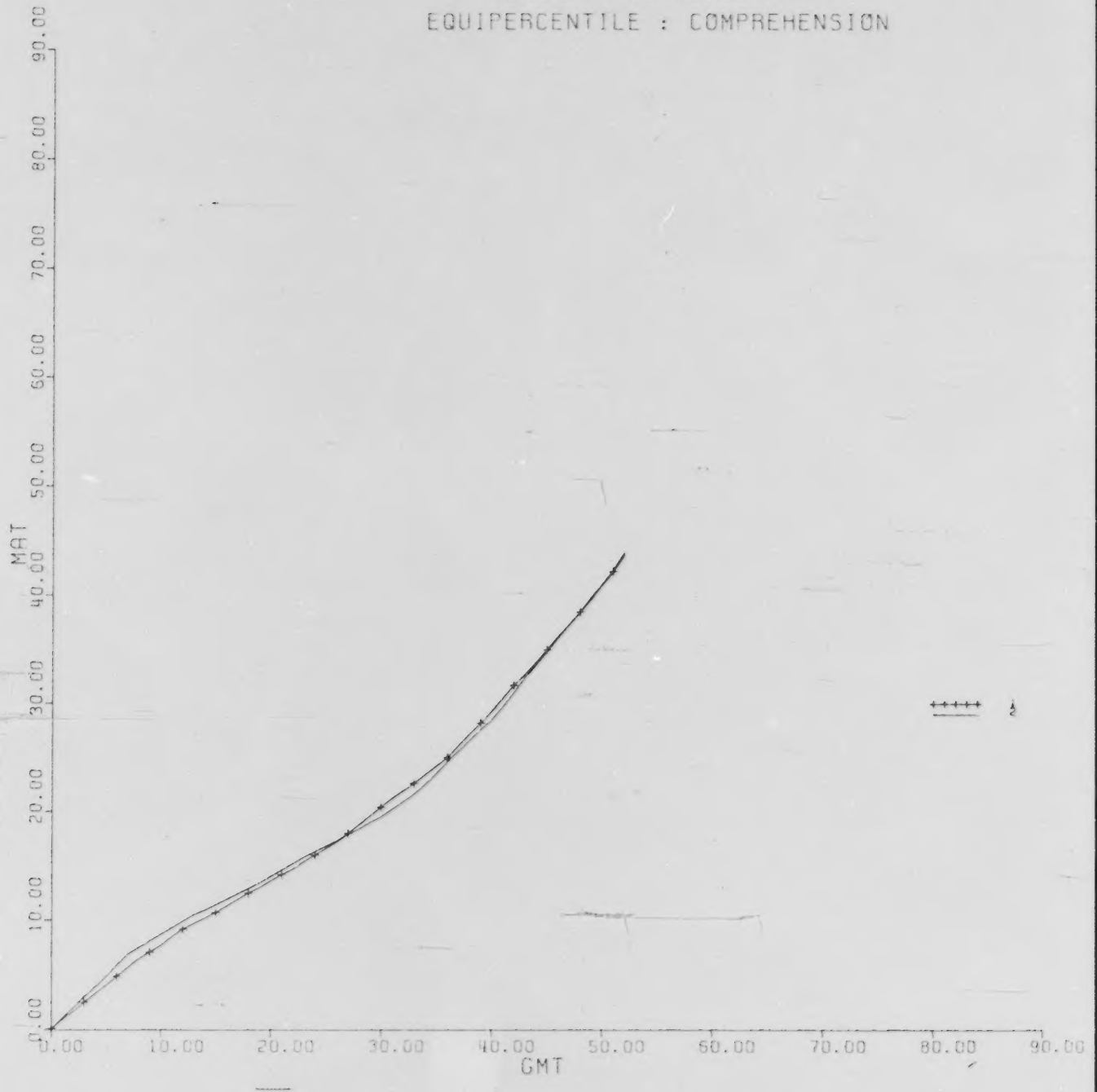
GRAPH 6148. ANCHOR TEST EQUATING STUDY: GRADE 6
PROC. 1 VS PROC. 2
EQUIPERCENTILE : COMPREHENSION



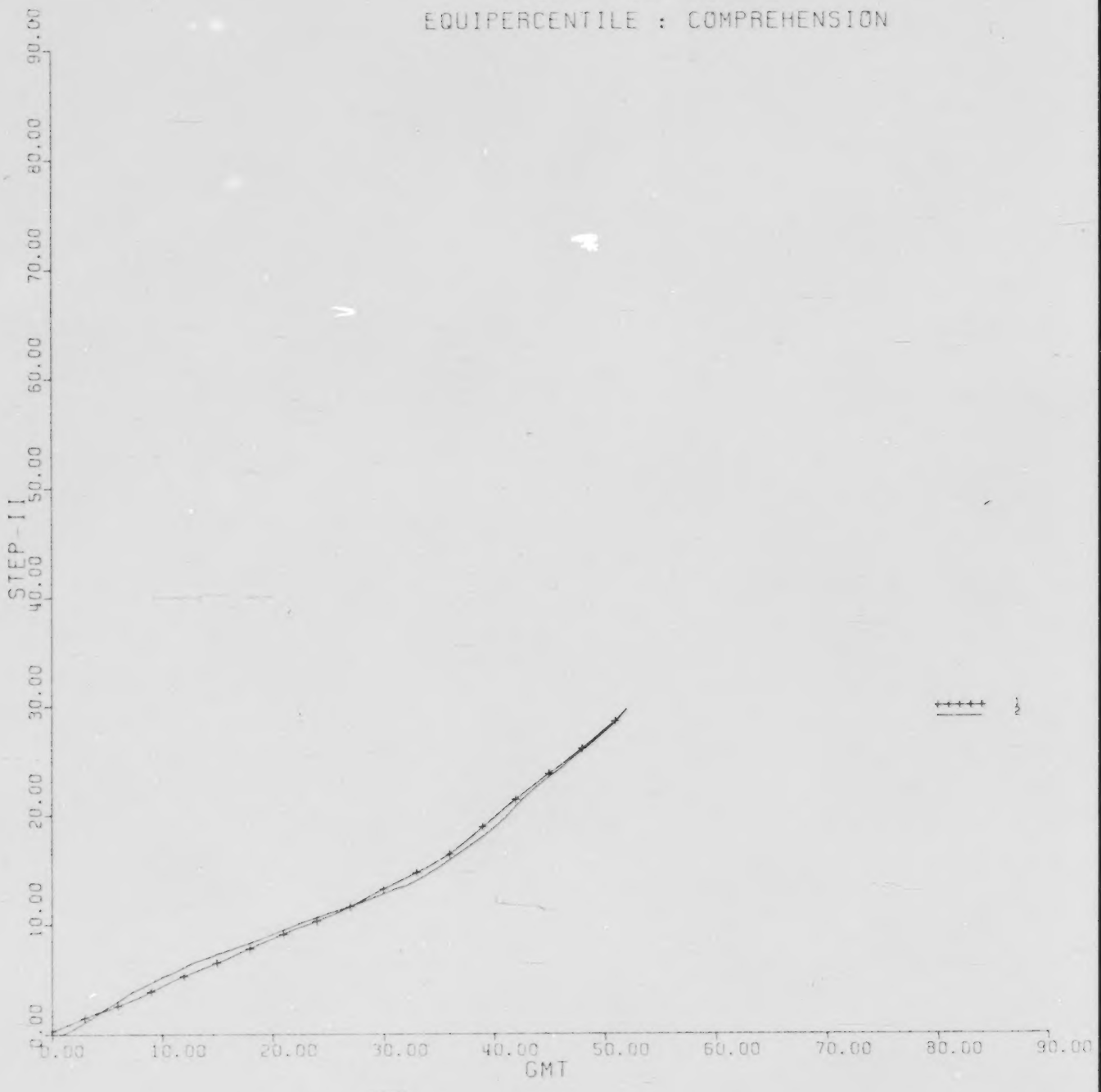
GRAPH 6149. ANCHOR TEST EQUATING STUDY: GRADE 6
PROC. 1 VS PROC. 2
EQUIPERCENTILE : COMPREHENSION



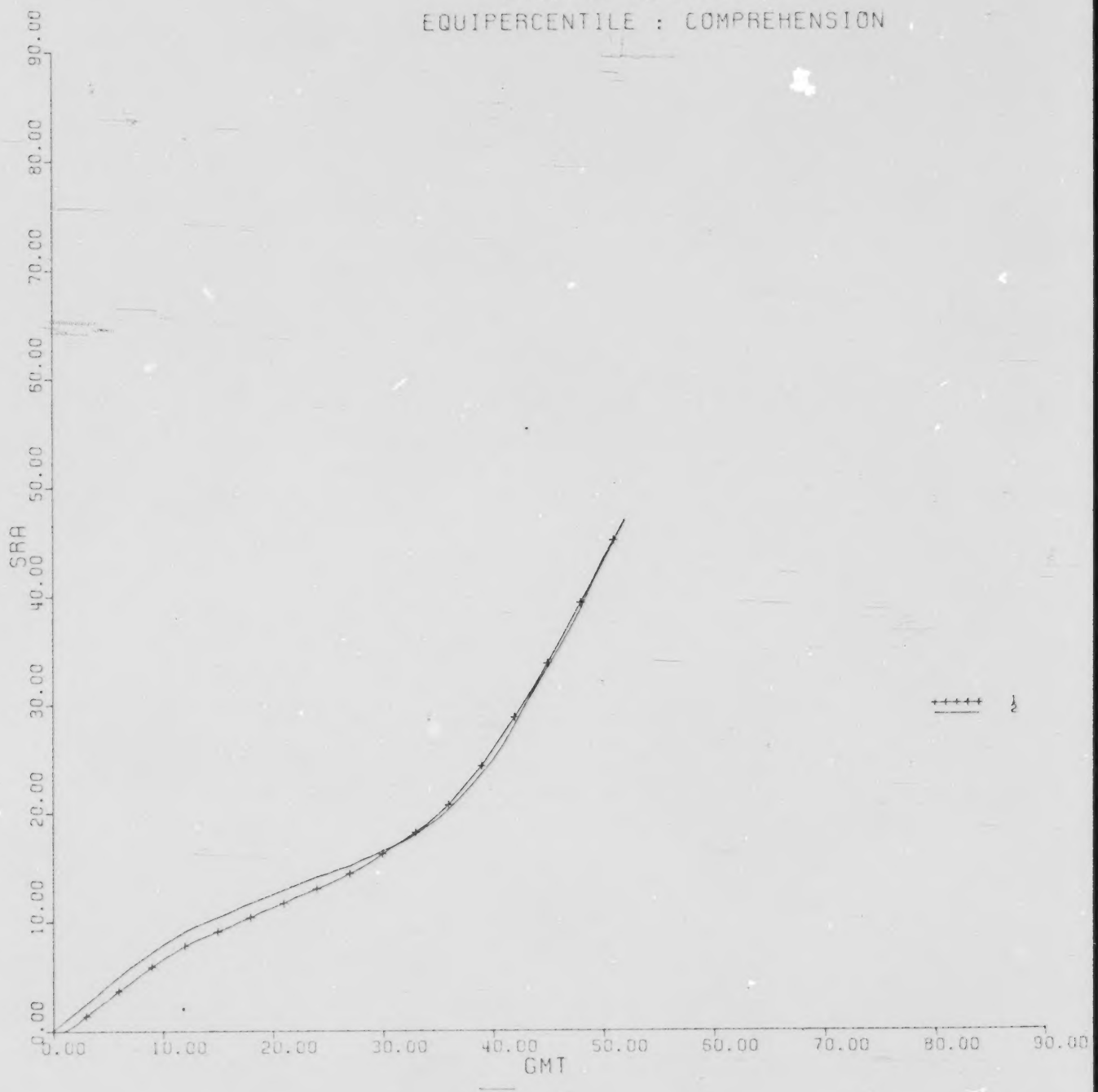
GRAPH 6150. ANCHOR TEST EQUATING STUDY: GRADE 6
PROC. 1 VS PROC. 2
EQUIPERCENTILE : COMPREHENSION



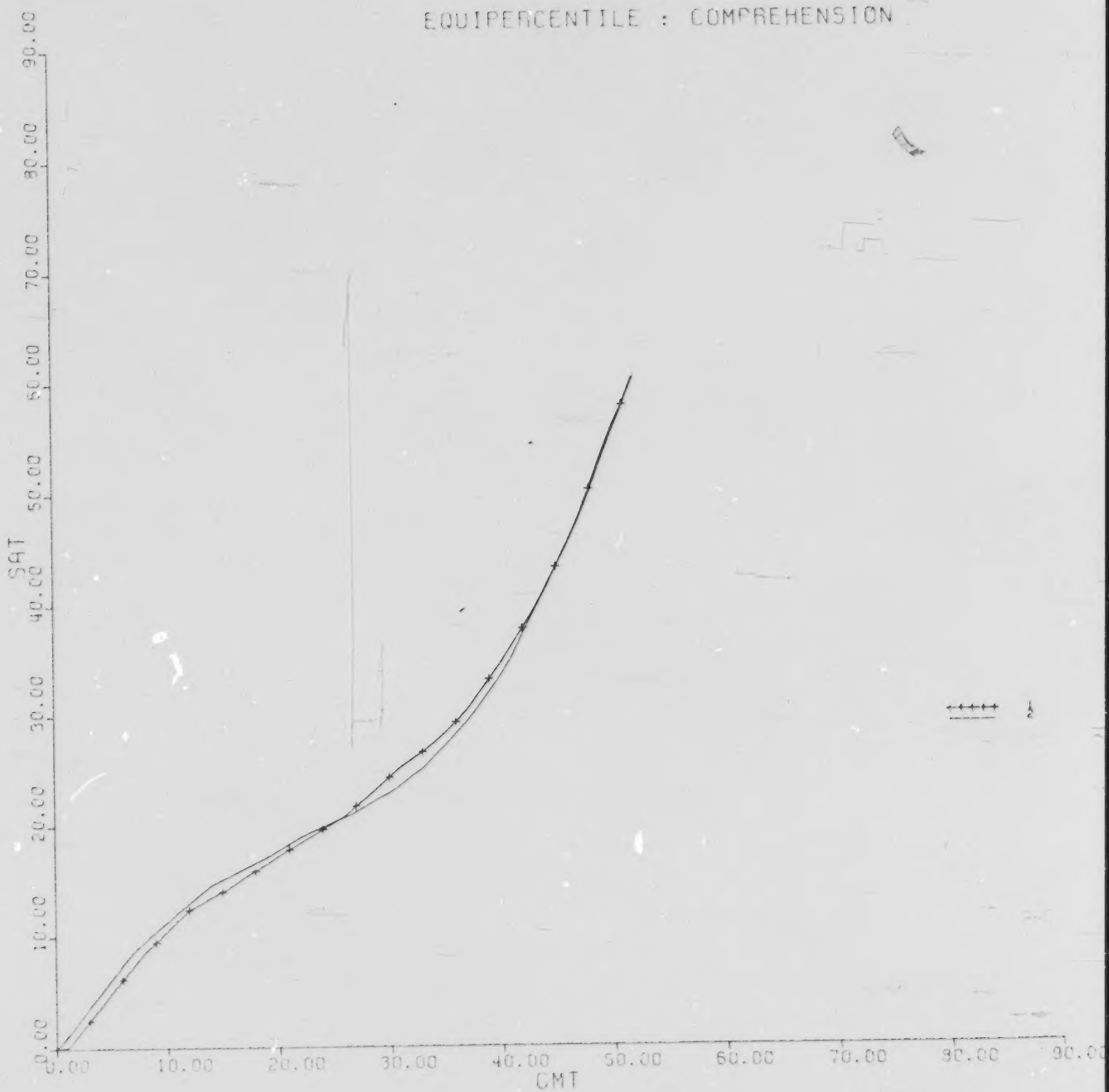
GRAPH 6151. ANCHOR TEST EQUATING STUDY: GRADE 6
PROC. 1 VS PROC. 2
EQUIPERCENTILE : COMPREHENSION



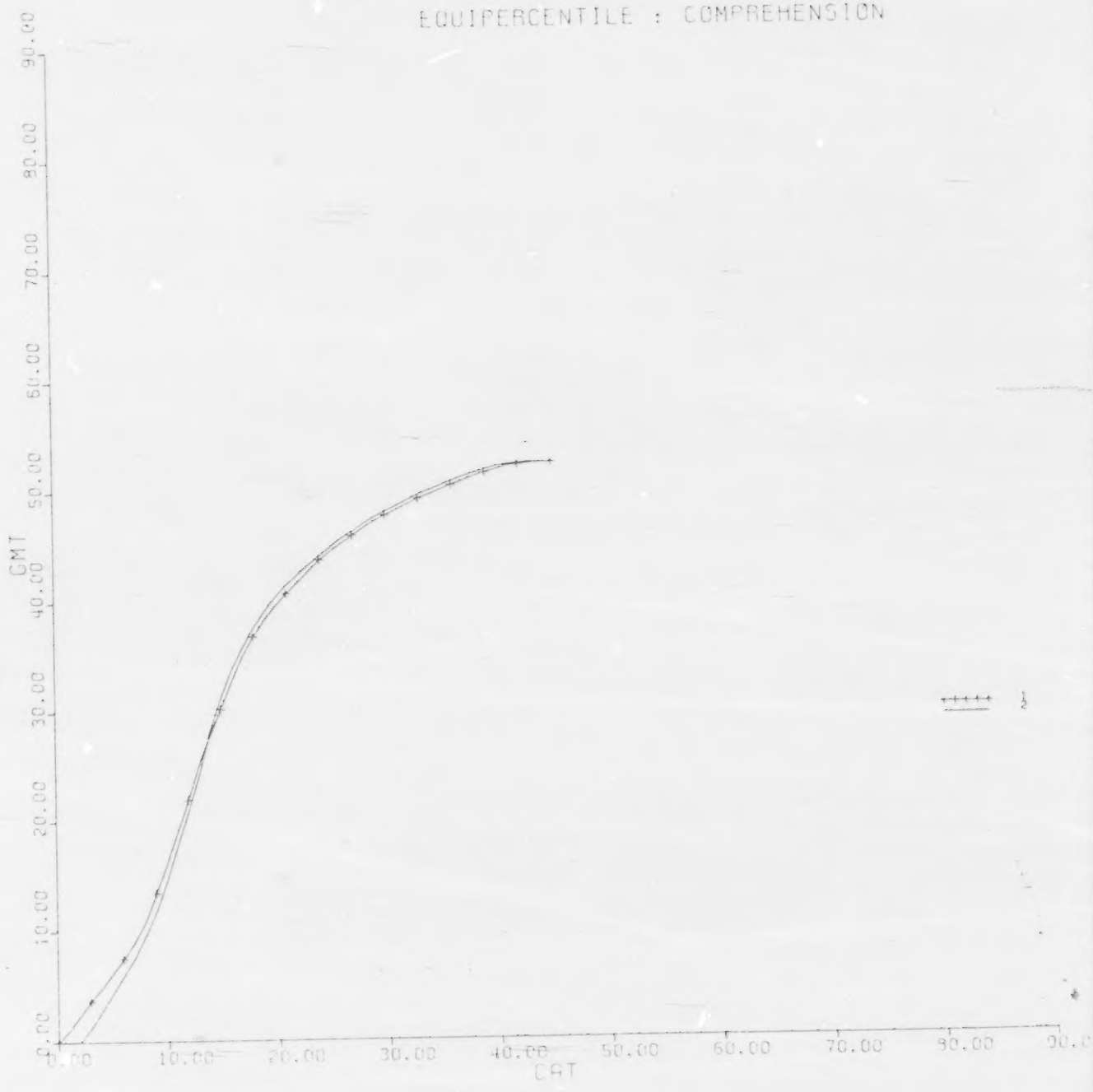
GRAPH G152. ANCHOR TEST EQUATING STUDY: GRADE 6
PROC. 1 VS PROC. 2
EQUIPERCENTILE : COMPREHENSION



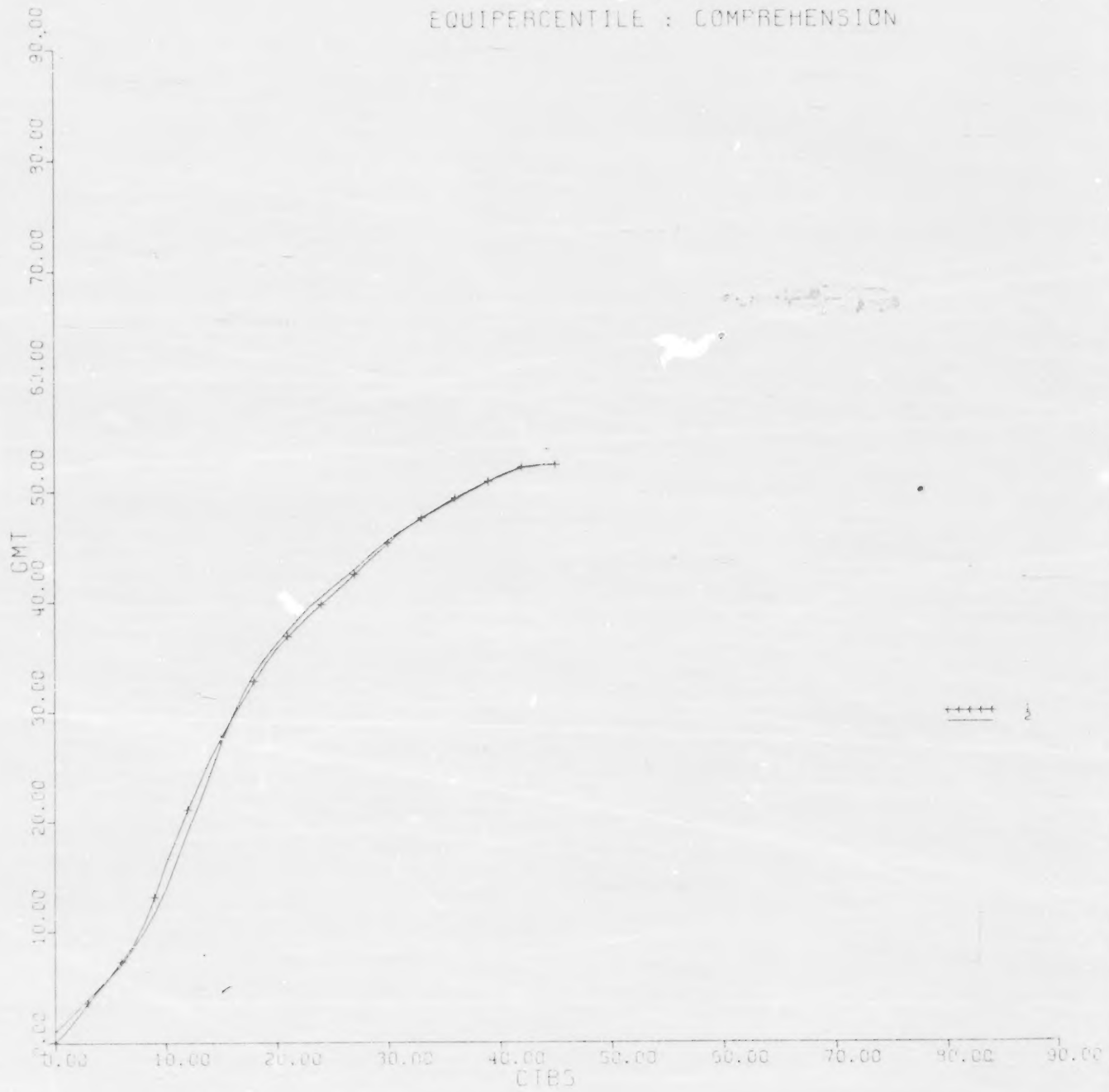
GRAPH 6153. ANCHOR TEST EQUATING STUDY: GRADE 6
PROC. 1 VS PROC. 2
EQUIPERCENTILE : COMPREHENSION



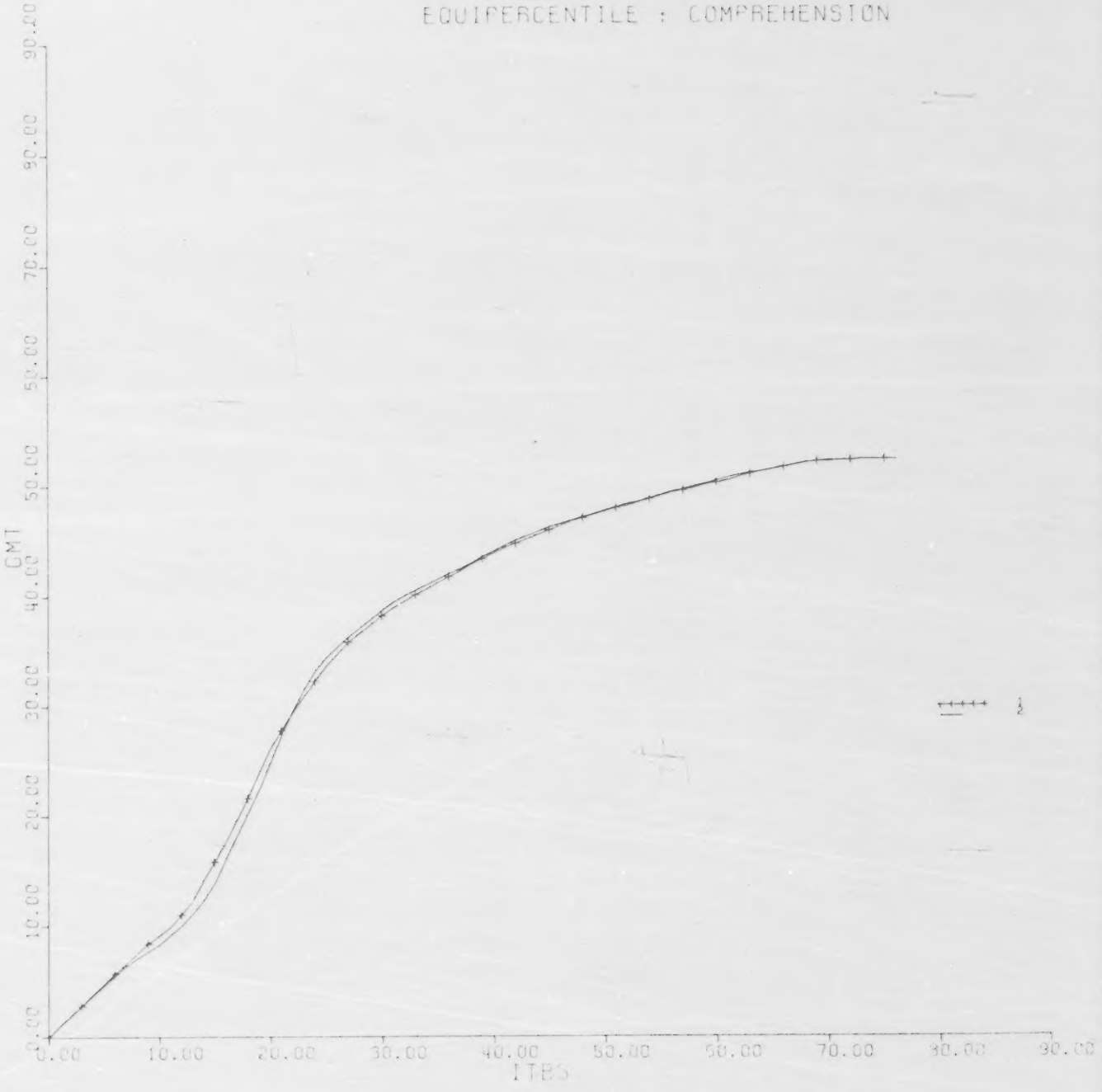
GRAPH 6154. ANCHOR TEST EQUATING STUDY: GRADE 6
PROC. 1 VS PROC. 2
EQUIPERCENTILE : COMPREHENSION



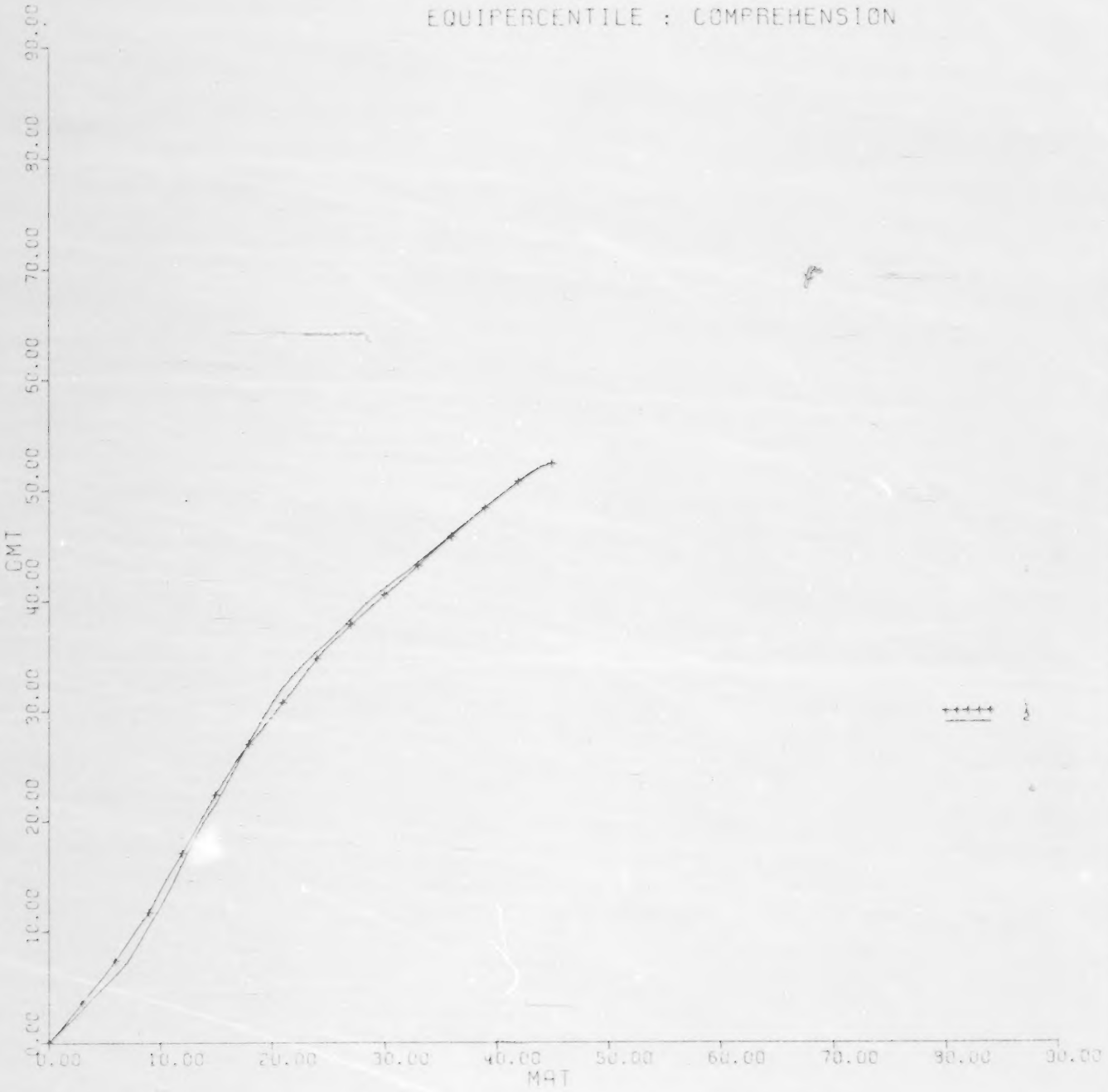
GRAPH S155. ANCHOR TEST EQUATING STUDY: GRADE 6
PROC. 1 VS PROC. 2
EQUIPERCENTILE : COMPREHENSION



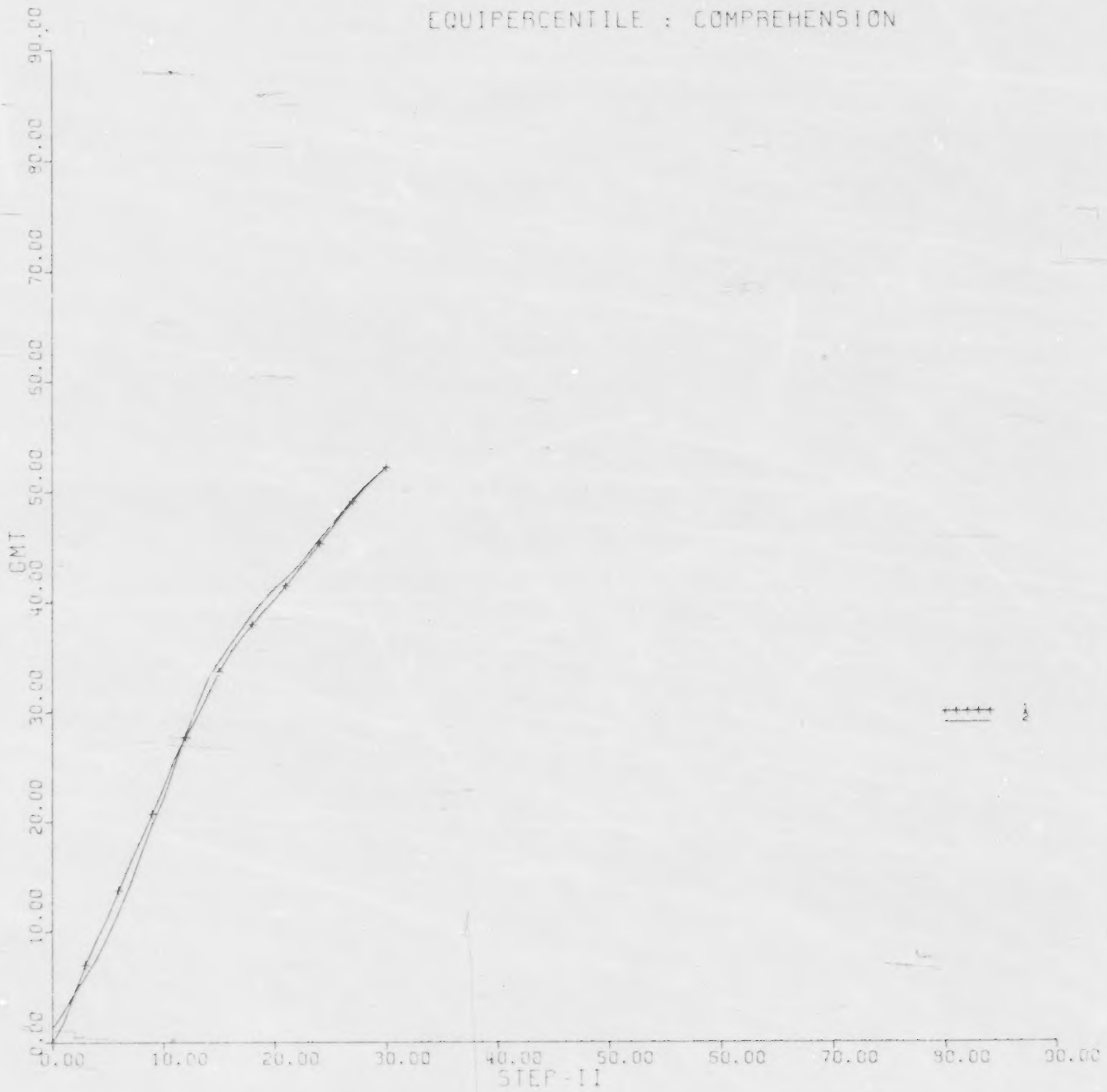
GRAPH 6156. ANCHOR TEST EQUATING STUDY: GRADE 6
PROC. 1 VS PROC. 2
EQUIPERCENTILE : COMPREHENSION



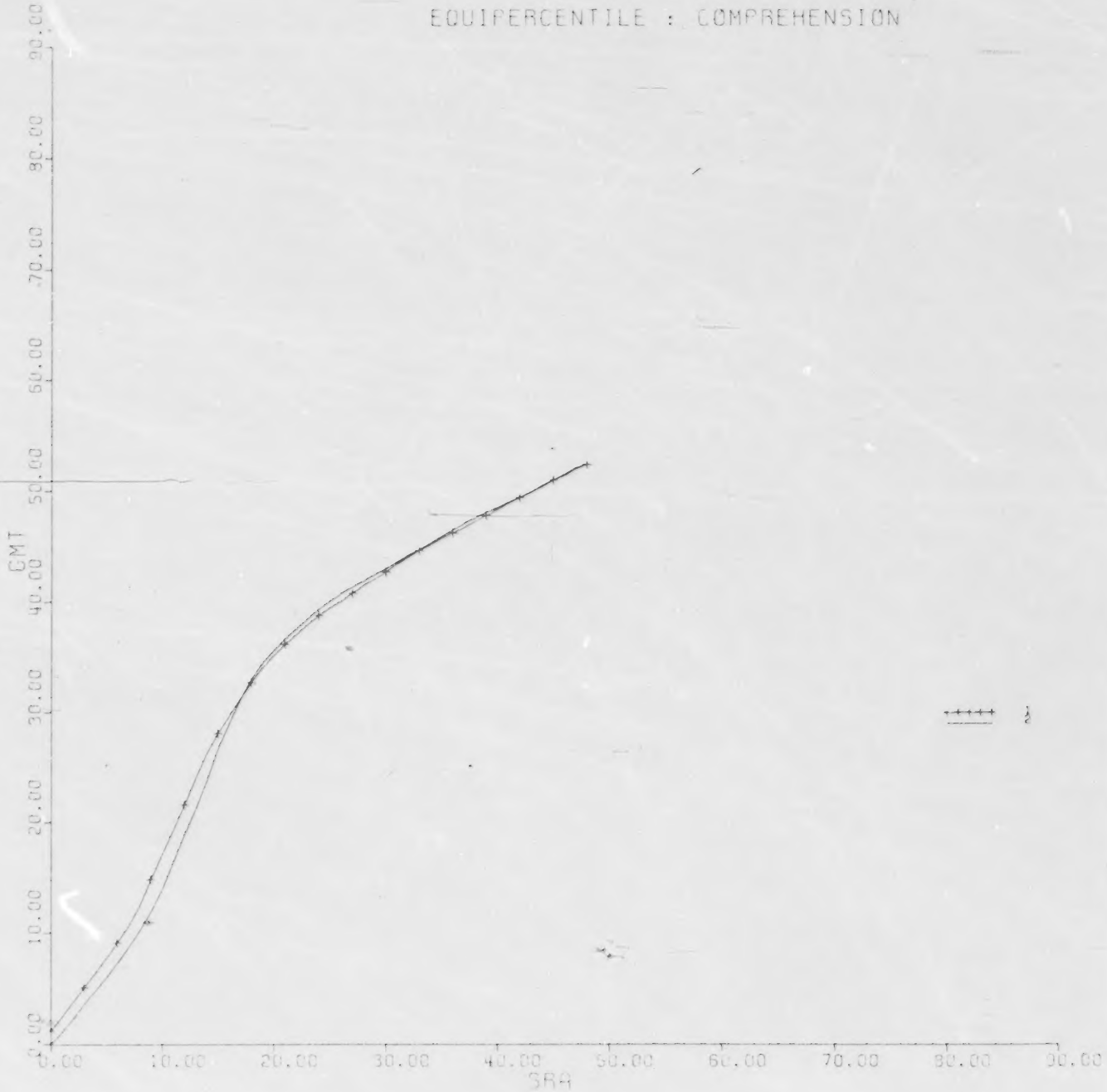
GRAPH 6157. ANCHOR TEST EQUATING STUDY: GRADE 6
PROC. 1 VS PROC. 2
EQUIPERCENTILE : COMPREHENSION



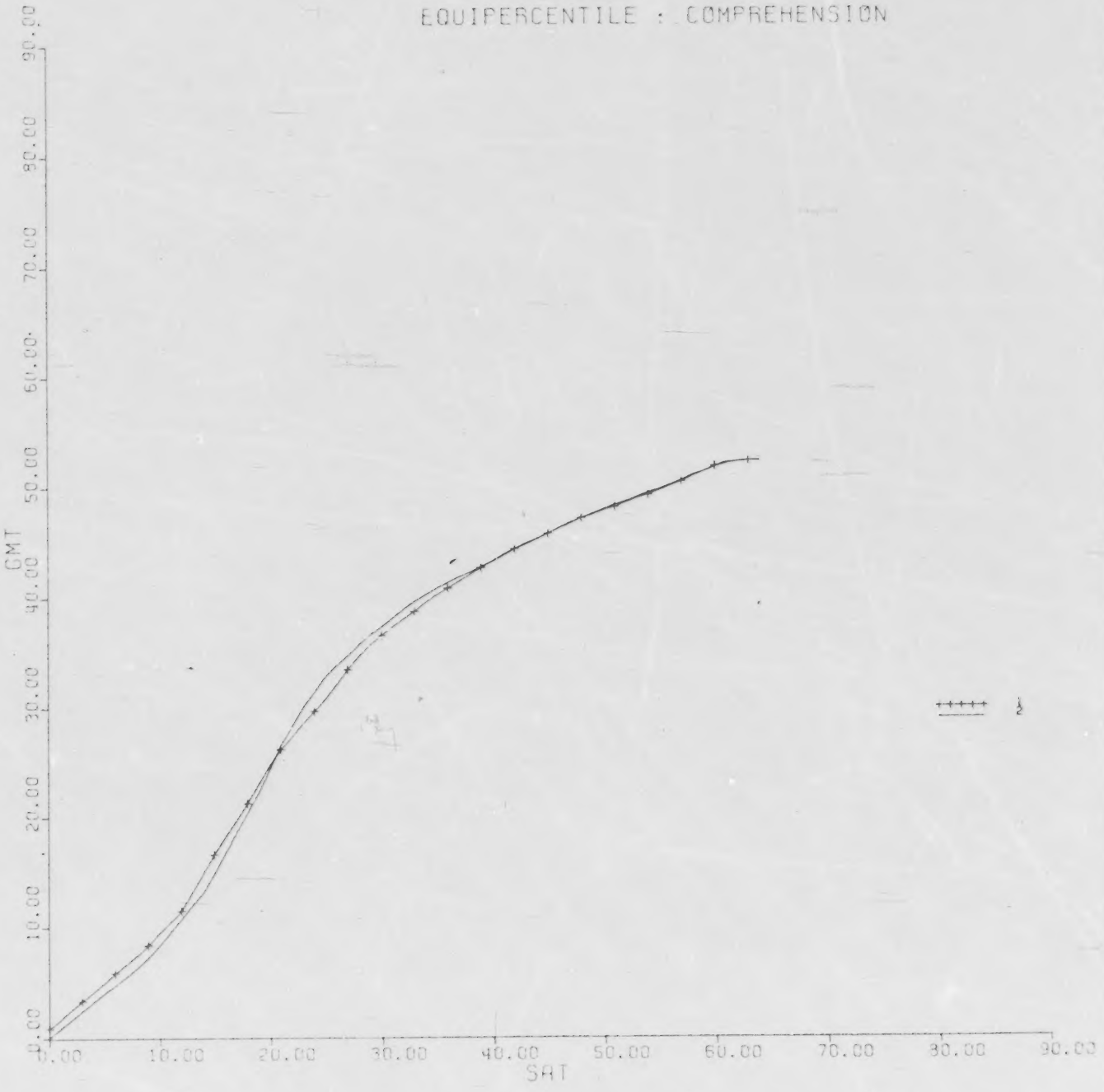
GRAPH 5158. ANCHOR TEST EQUATING STUDY: GRADE 6
PROC. 1 VS PROC. 2
EQUIPERCENTILE : COMPREHENSION



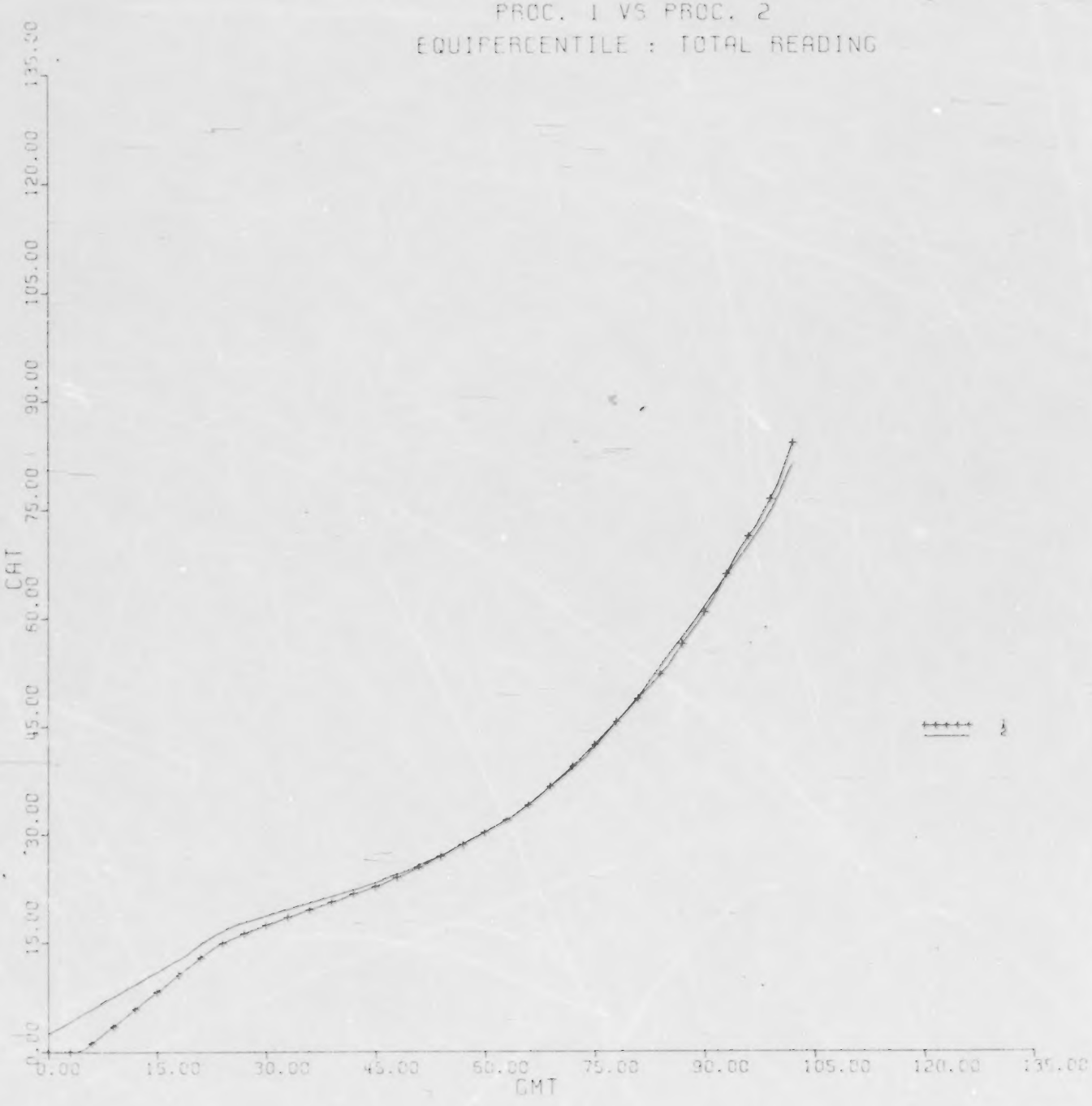
GRAPH 6158. ANCHOR TEST EQUATING STUDY: GRADE 6
PROC. 1 VS PROC. 2
EQUIPERCENTILE : COMPREHENSION



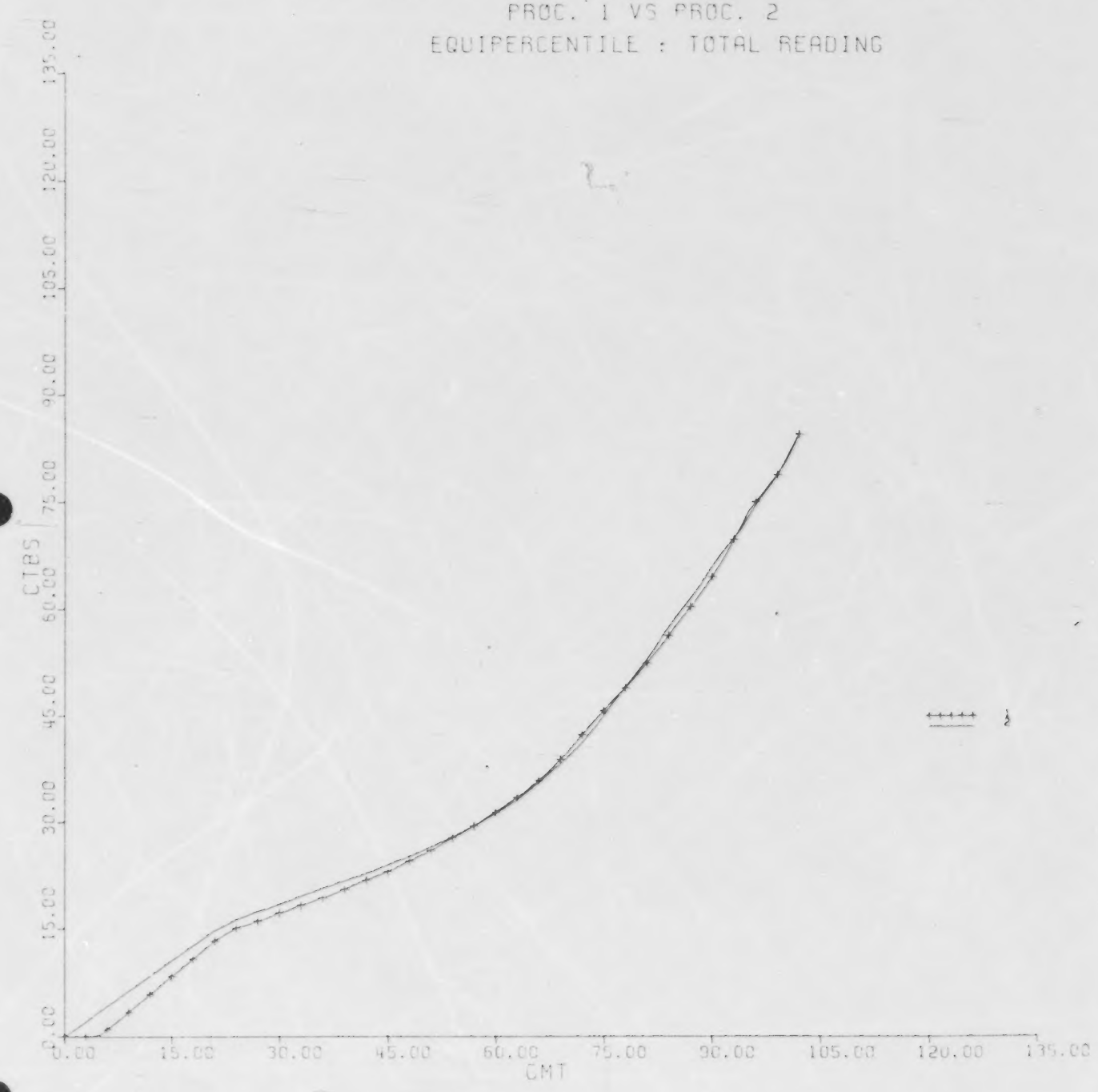
GRAPH 6160. ANCHOR TEST EQUATING STUDY: GRADE 6
PROC. 1 VS PROC. 2
EQUIPERCENTILE : COMPREHENSION



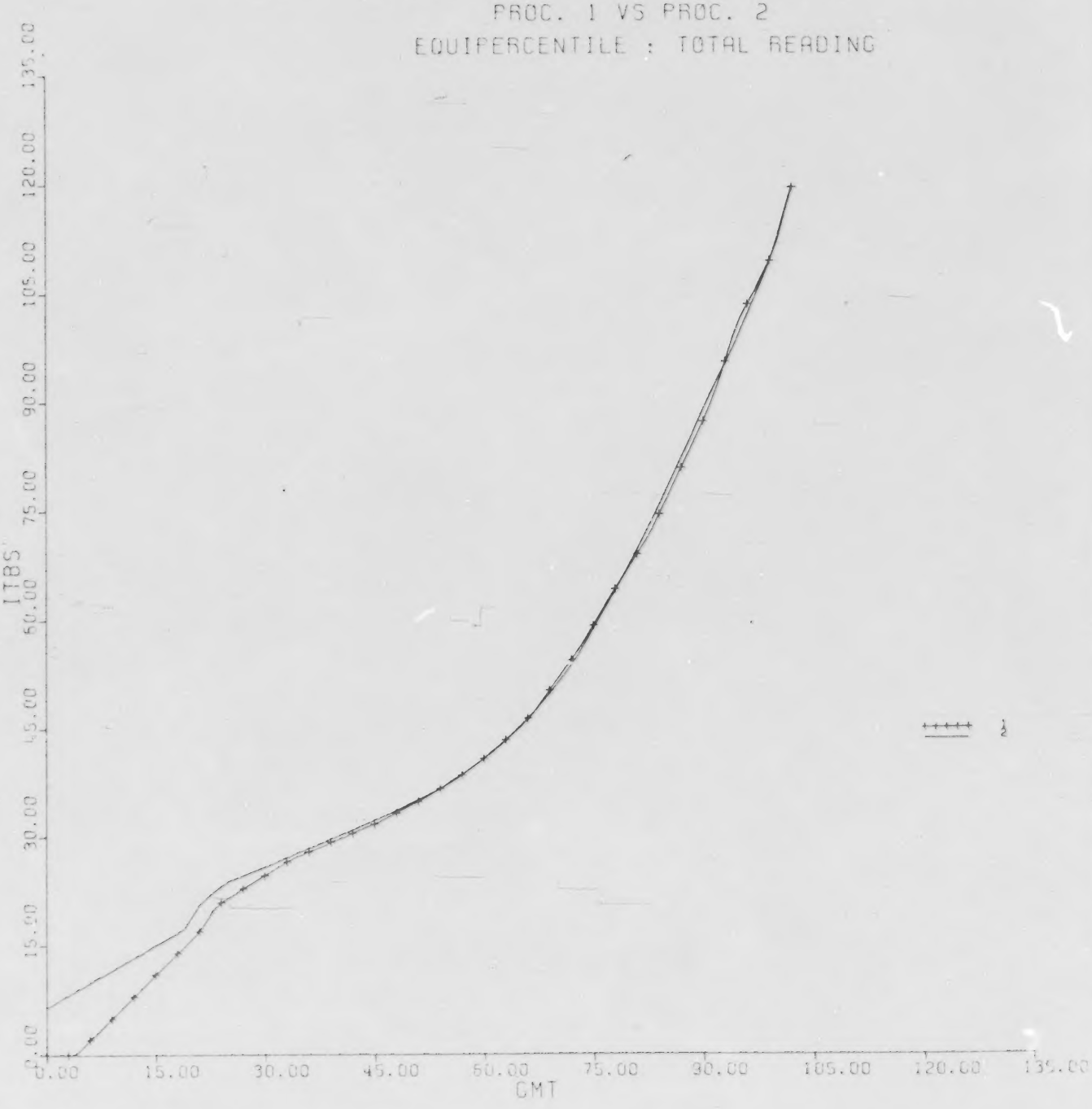
GRAPH 6161. ANCHOR TEST EQUATING STUDY: GRADE 6
PROC. 1 VS PROC. 2
EQUIPERCENTILE : TOTAL READING



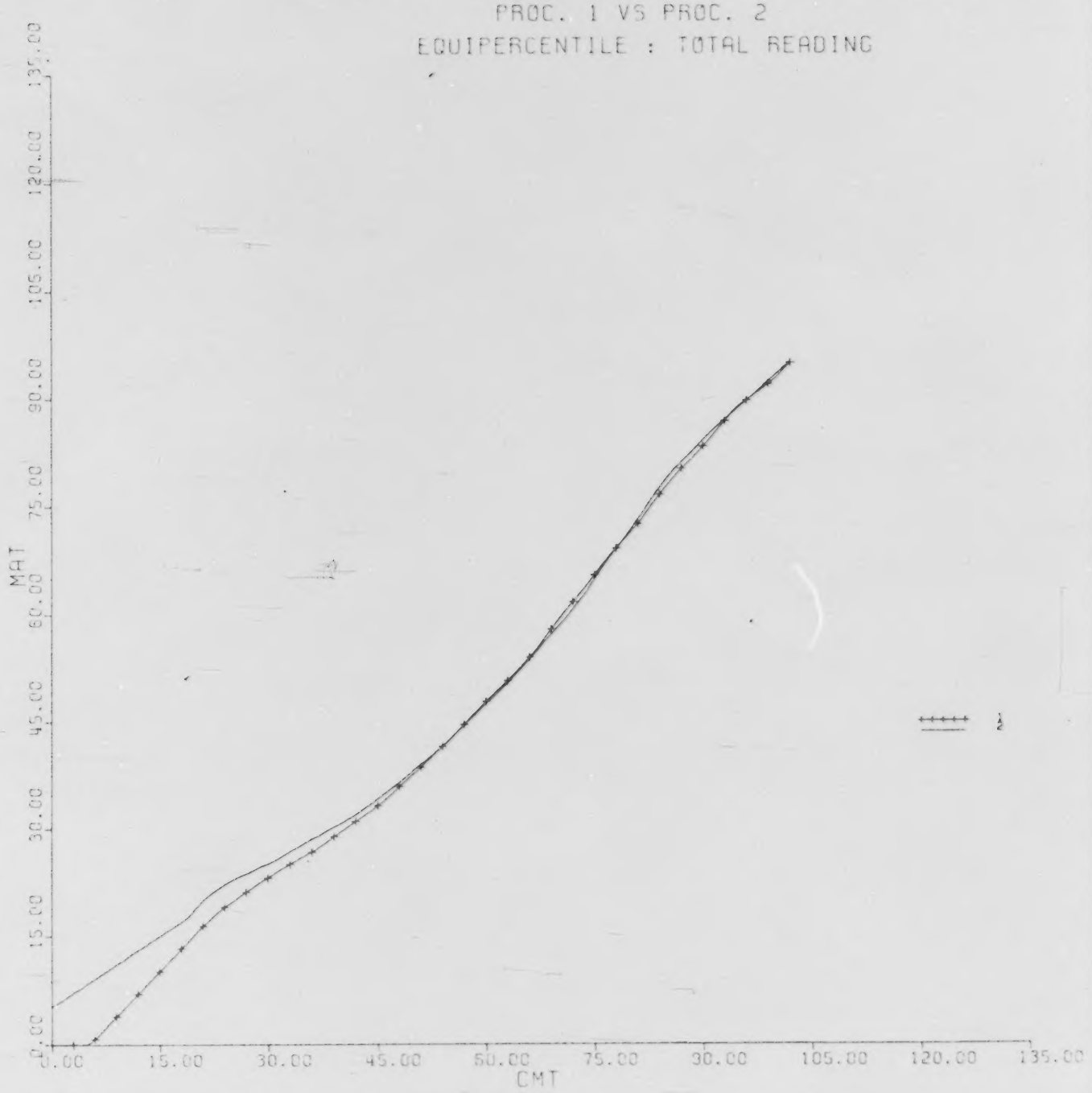
GRAPH 6162. ANCHOR TEST EQUATING STUDY: GRADE 6
PROC. 1 VS PROC. 2
EQUIPERCENTILE : TOTAL READING



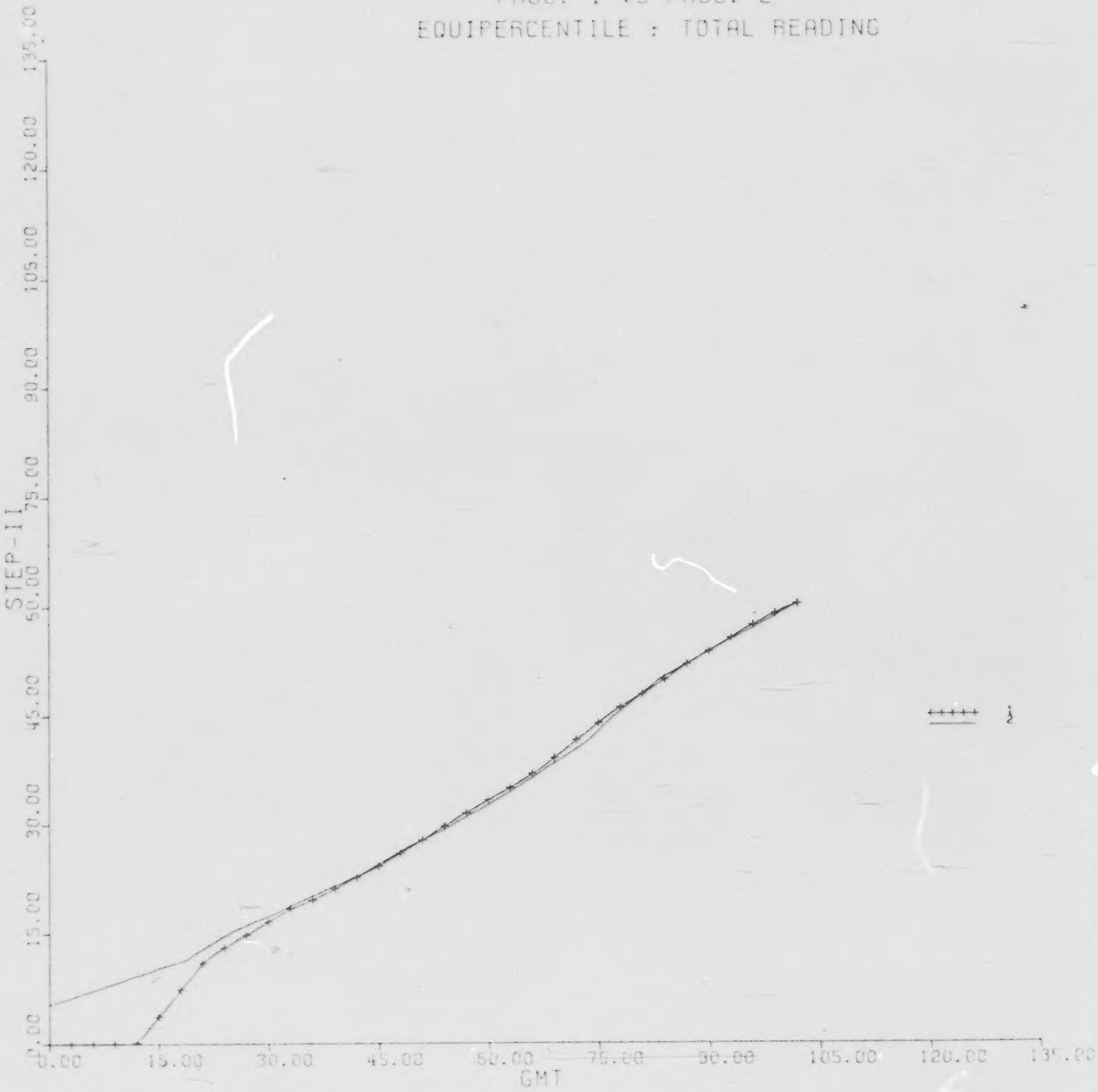
GRAPH 6153. ANCHOR TEST EQUATING STUDY: GRADE 6
PROC. 1 VS PROC. 2
EQUIPERCENTILE : TOTAL READING



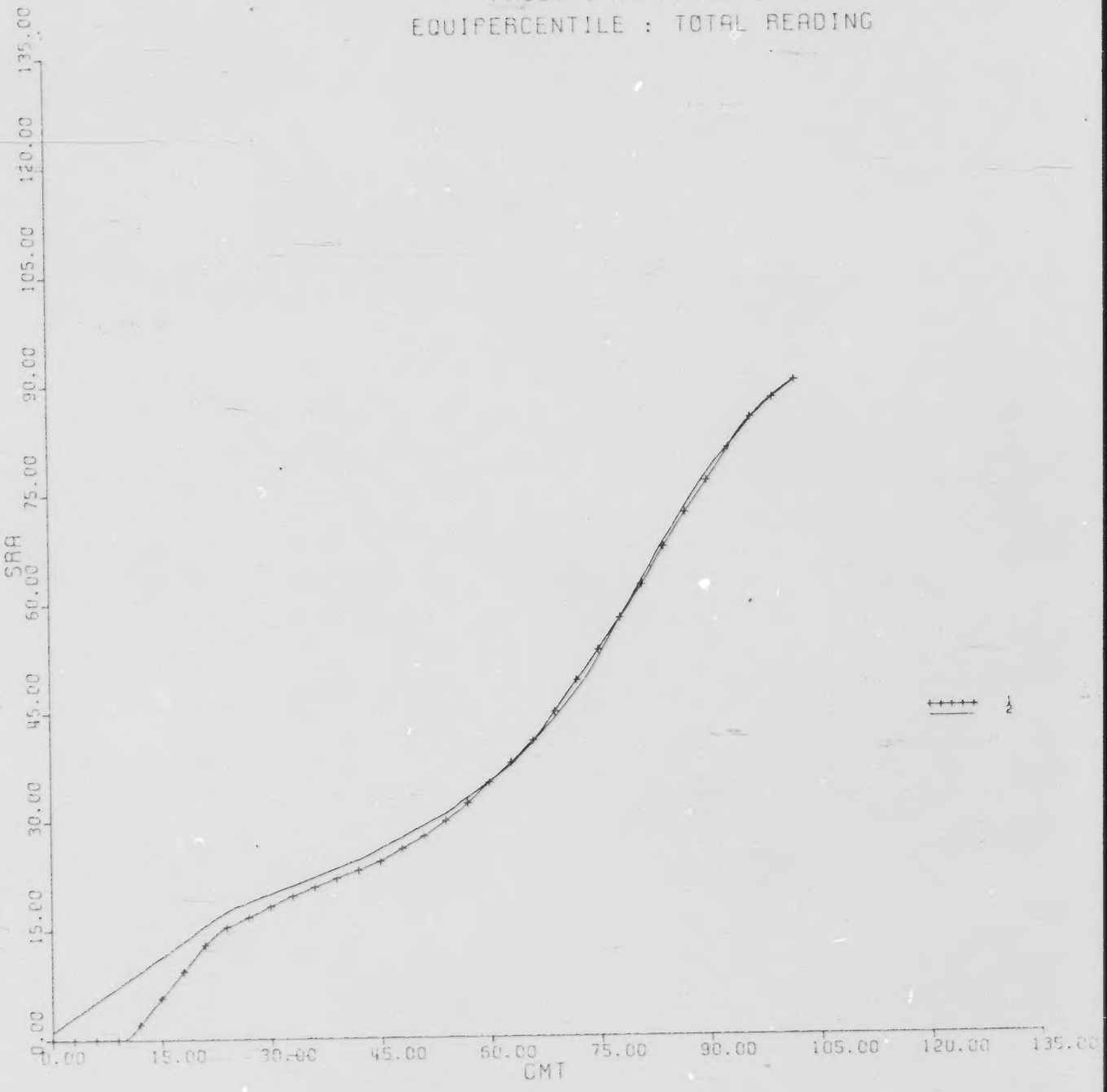
GRAPH 6164. ANCHOR TEST EQUATING STUDY: GRADE 6
PROC. 1 VS PROC. 2
EQUIPERCENTILE : TOTAL READING



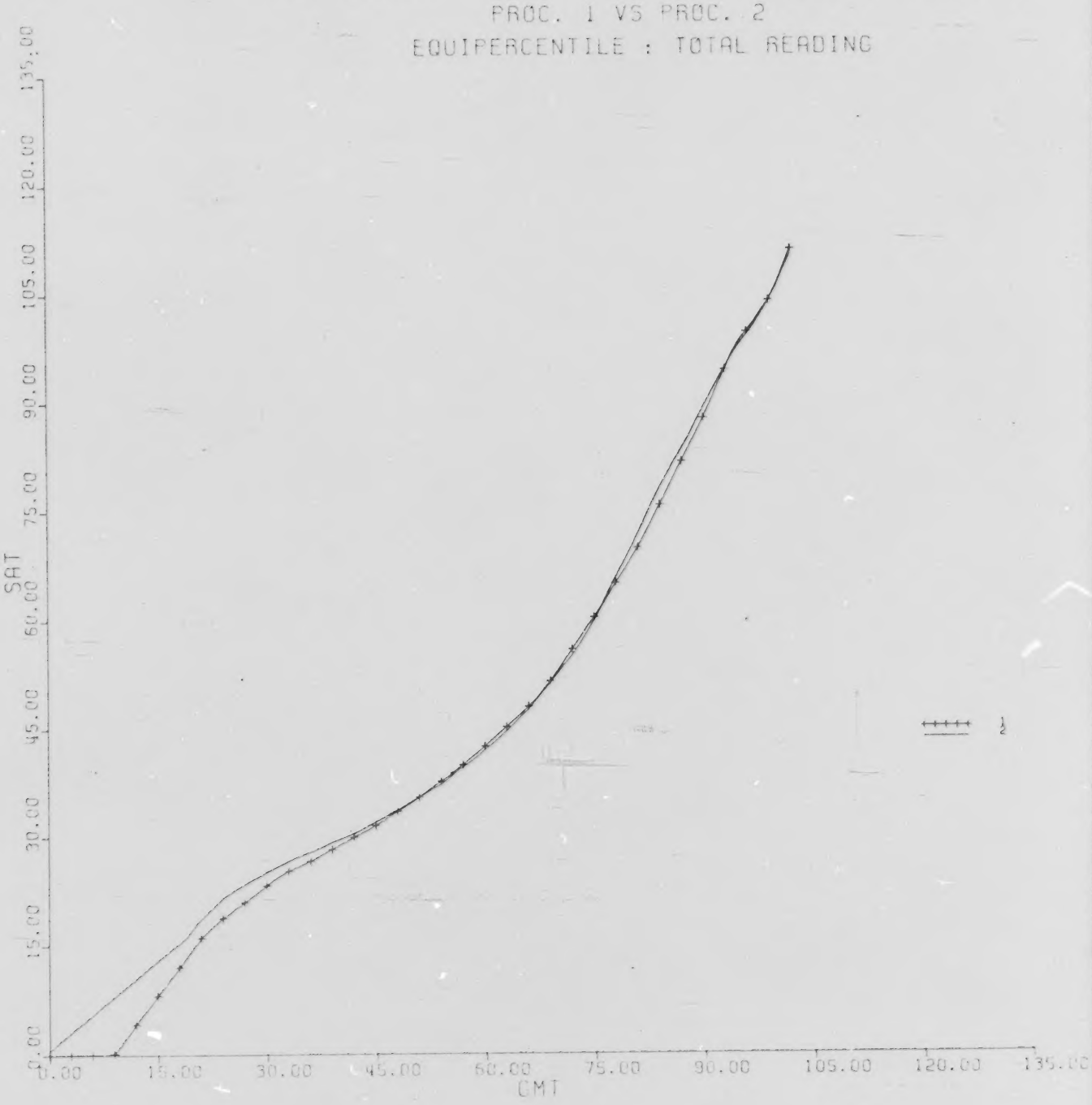
GRAPH 5165. ANCHOR TEST EQUATING STUDY: GRADE 6
PROC. 1 VS PROC. 2
EQUIPERCENTILE : TOTAL READING



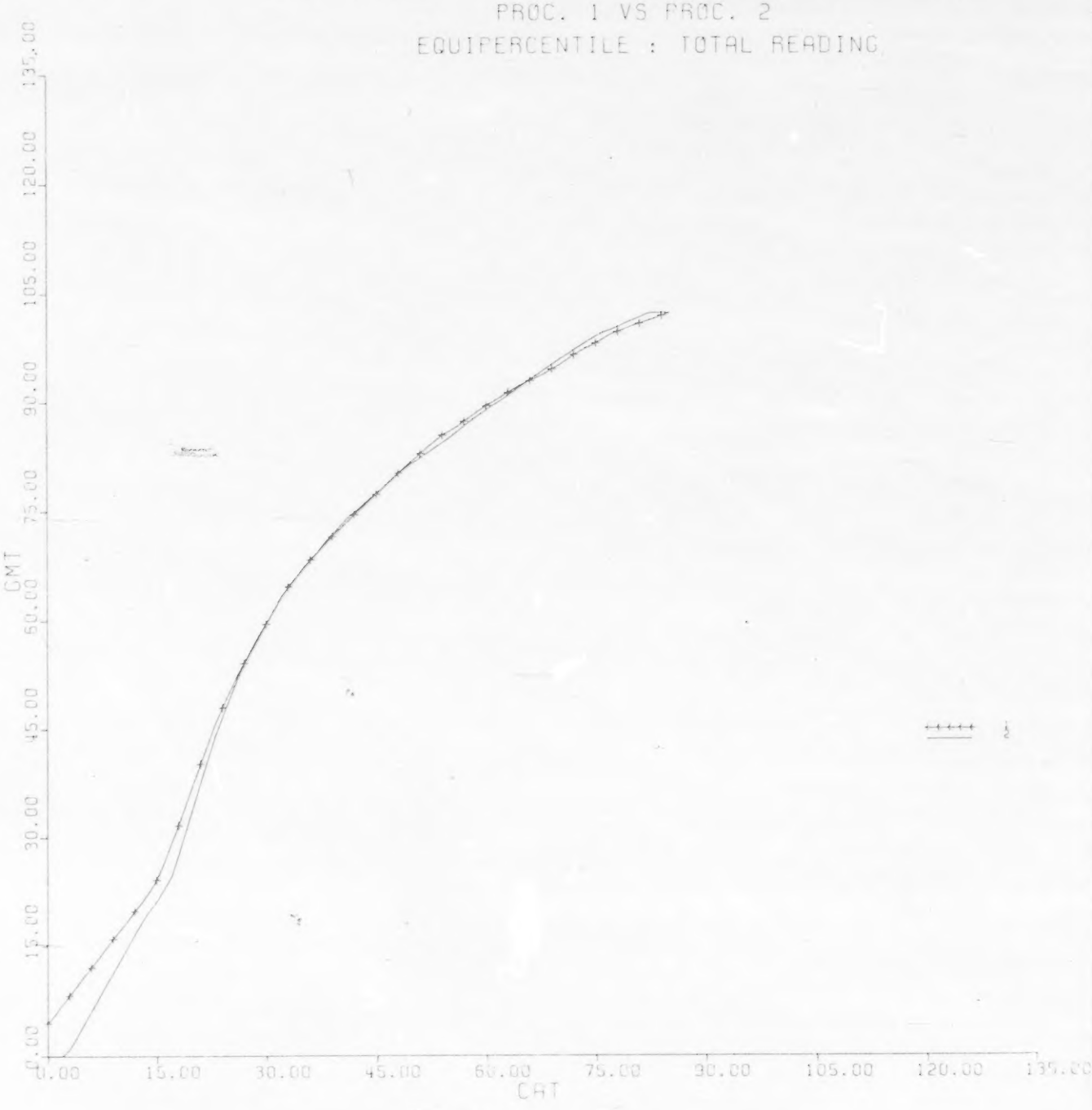
GRAPH 6166. ANCHOR TEST EQUATING STUDY: GRADE 6
PROC. 1 VS PROC. 2
EQUIPERCENTILE : TOTAL READING



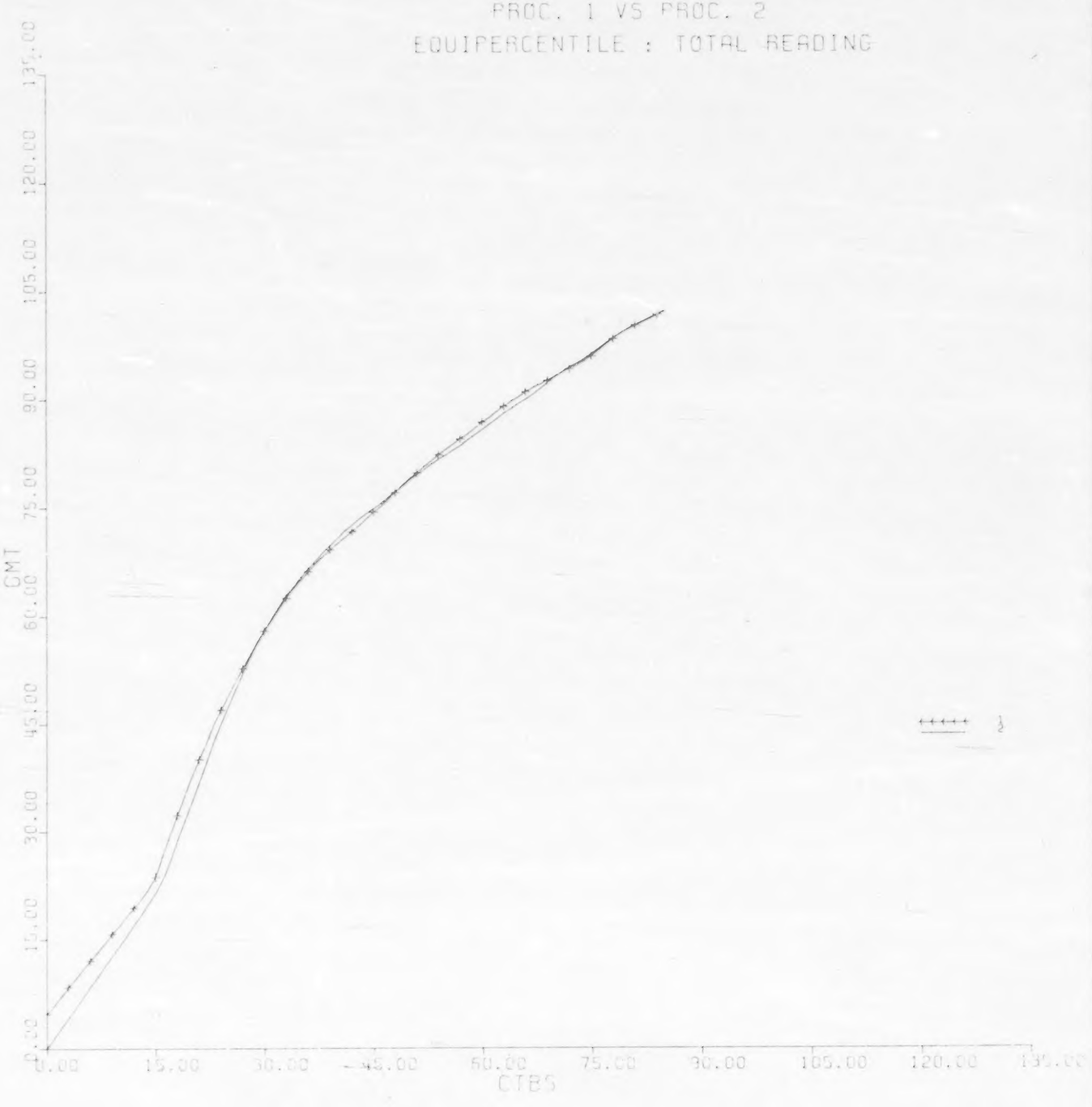
GRAPH 6167. ANCHOR TEST EQUATING STUDY: GRADE 6
PROC. 1 VS PROC. 2
EQUIPERCENTILE : TOTAL READING



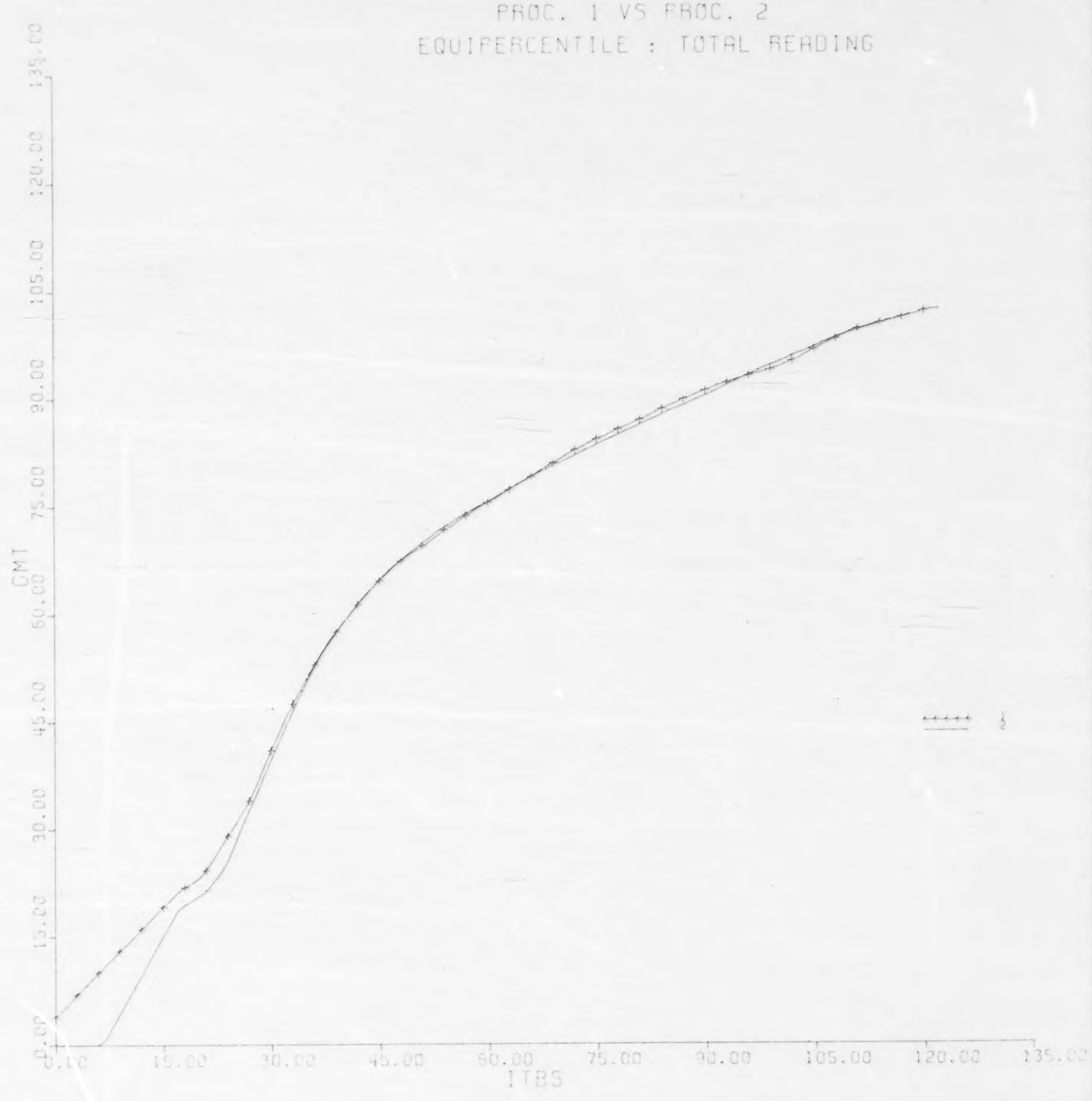
GRAPH 5168. ANCHOR TEST EQUATING STUDY: GRADE 6
PROC. 1 VS PROC. 2
EQUIPERCENTILE : TOTAL READING



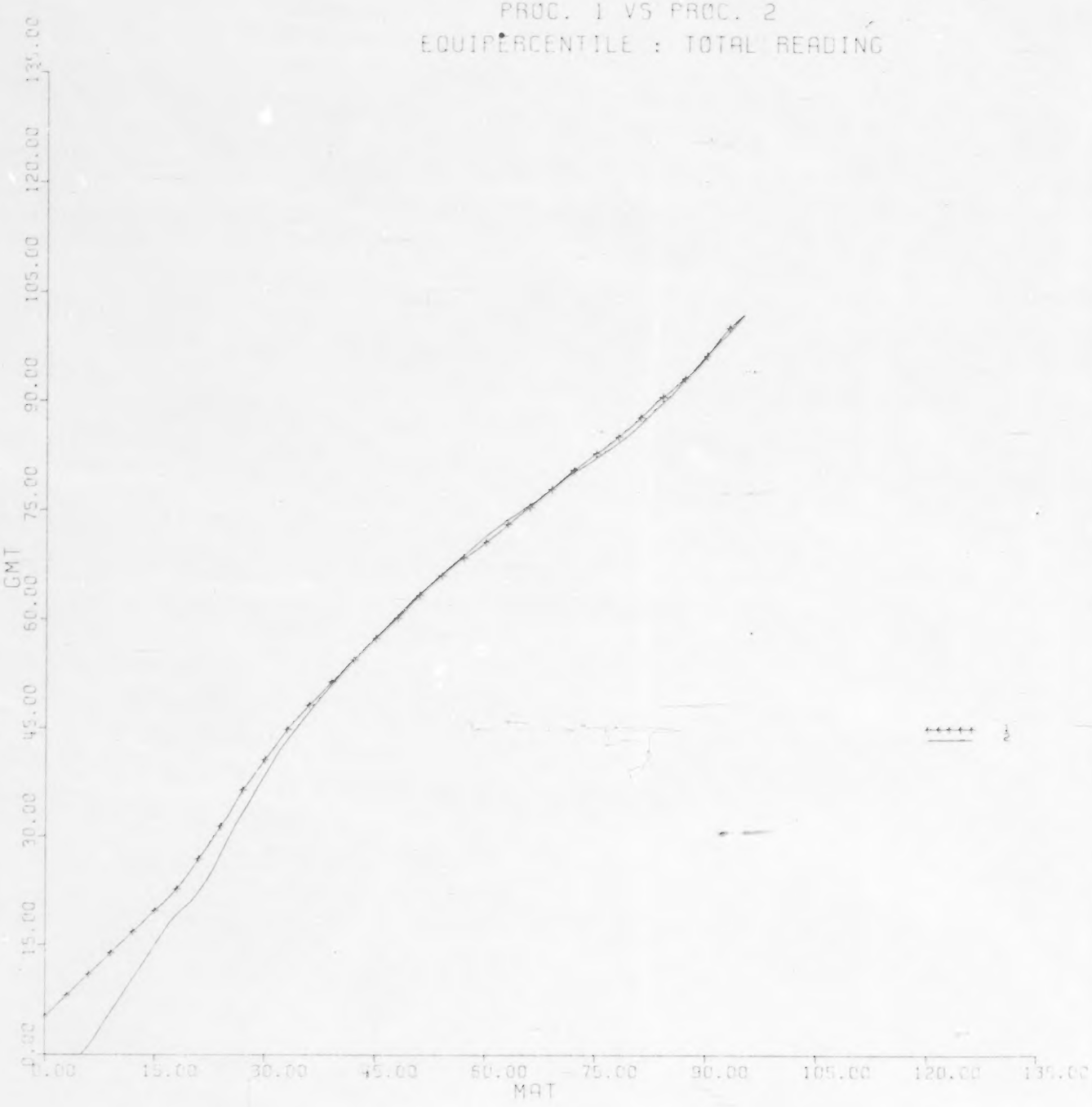
GRAPH 6158.1 ANCHOR TEST EQUATING STUDY: GRADE 6
PROC. 1 VS PROC. 2
EQUIPERCENTILE : TOTAL READING



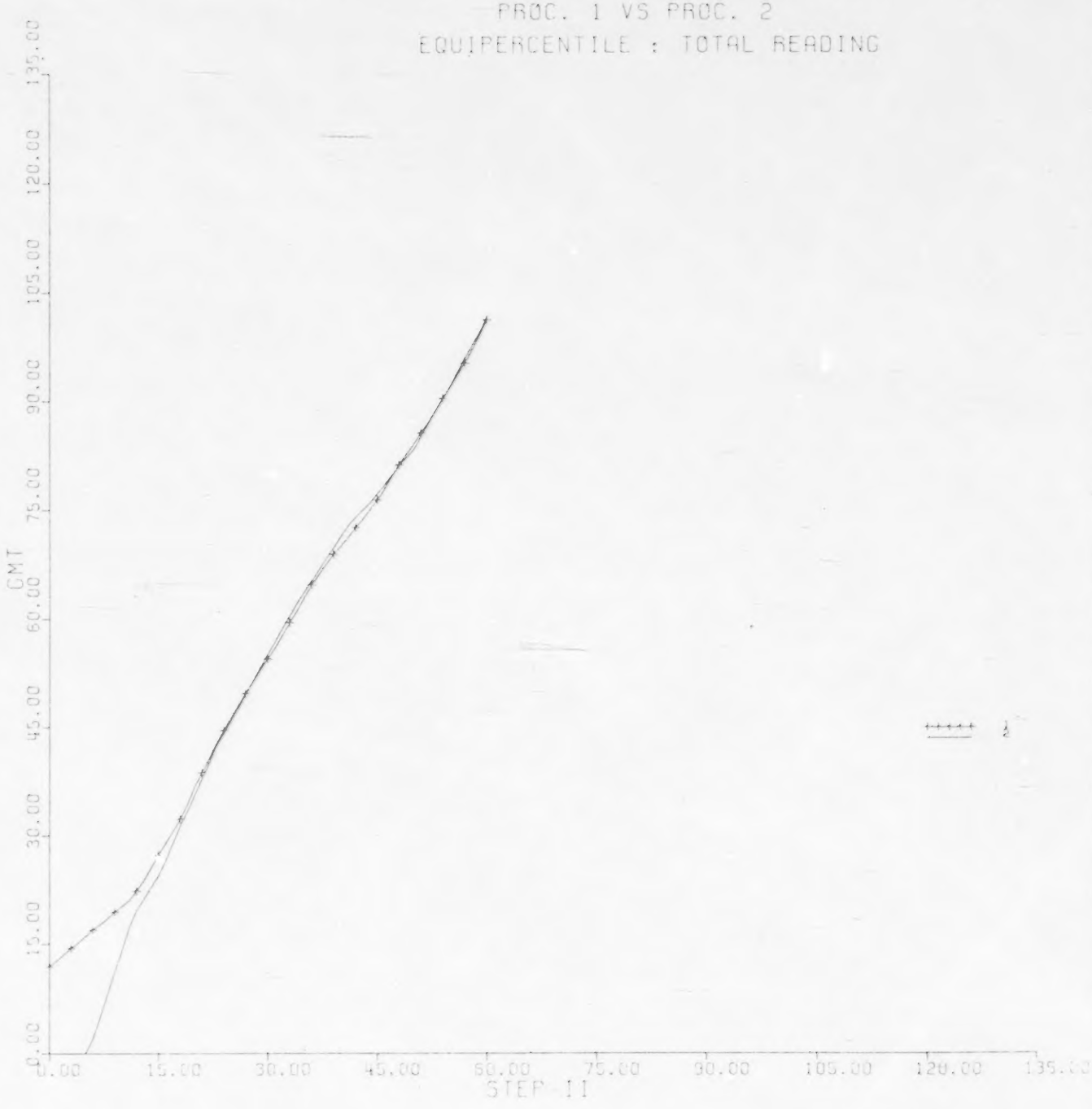
GRAPH 6170. ANCHOR TEST EQUATING STUDY: GRADE 6
PROC. 1 VS PROC. 2
EQUIPERCENTILE : TOTAL READING



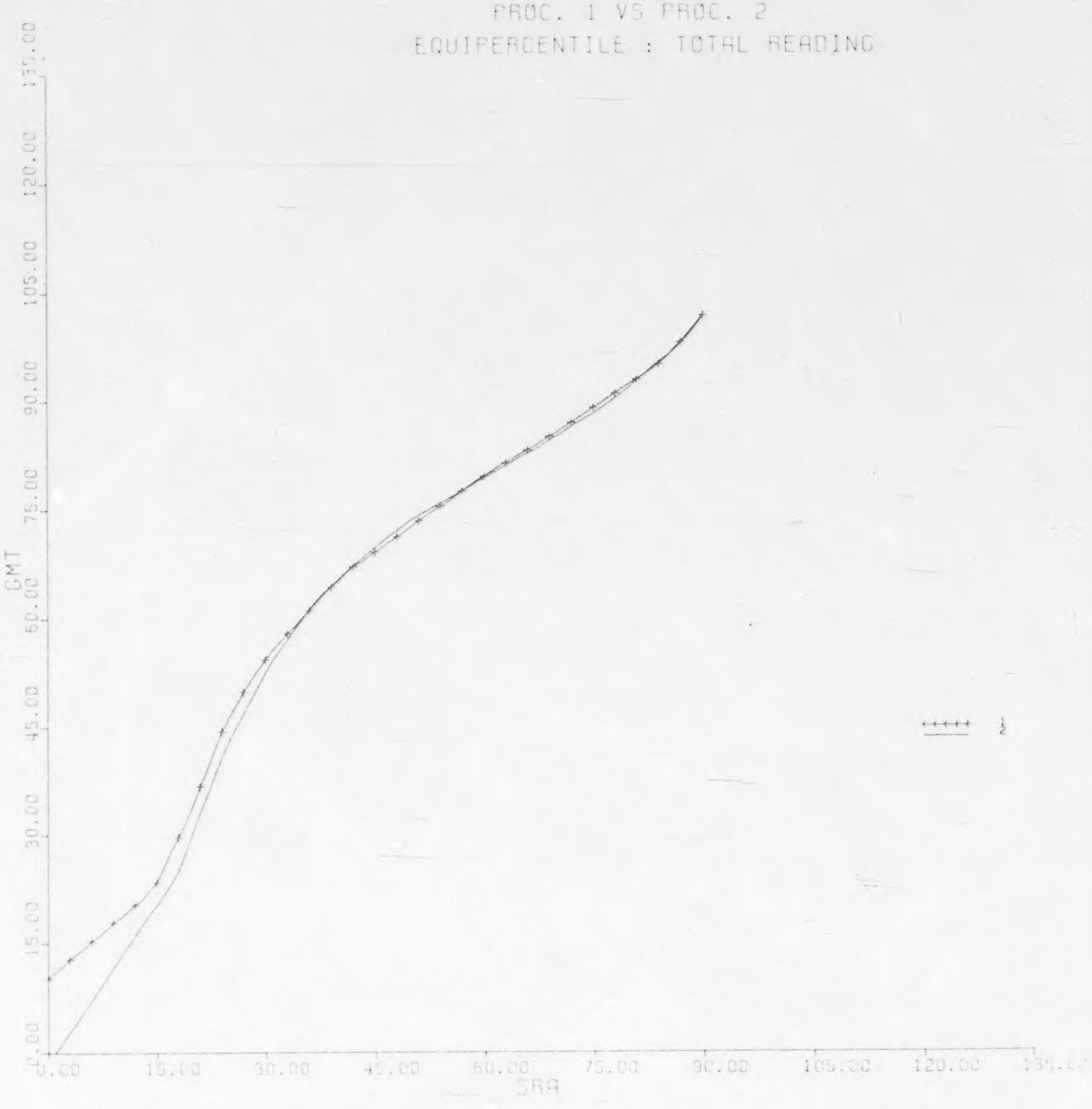
GRAPH 6171. ANCHOR TEST EQUATING STUDY: GRADE 6
PROC. 1 VS PROC. 2
EQUIPERCENTILE : TOTAL READING



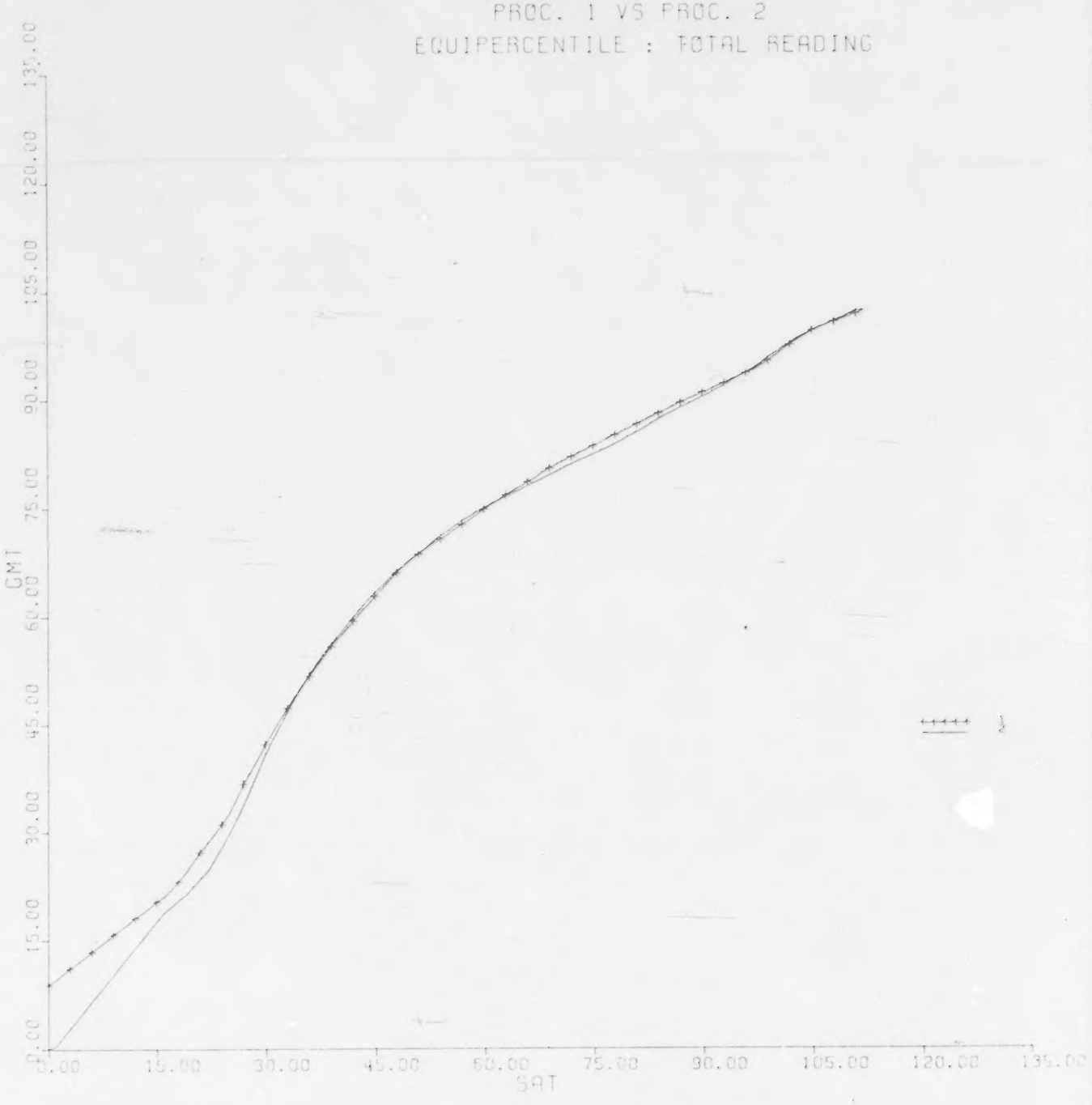
GRAPH 5172. ANCHOR TEST EQUATING STUDY: GRADE 6
PROC. 1 VS PROC. 2
EQUIPERCENTILE : TOTAL READING



GRAPH 6173. ANCHOR TEST EQUATING STUDY: GRADE 6
PROC. 1 VS PROC. 2
EQUIPERCENTILE : TOTAL READING



GRAPH 6174. ANCHOR TEST EQUATING STUDY: GRADE 6
PROC. 1 VS PROC. 2
EQUIPERCENTILE : TOTAL READING



LIST OF NORMS TABLES FOR THE GATES MACGINITIE READING TEST

INDIVIDUAL NORMS

Method	Grade	Table Number
Average of Procedures 1 and 2, Equipercentile Method	4	2304
	5	2305
	6	2306

SCHOOL MEAN NORMS

Method	Grade	Table Number
Average of Procedures 1 and 2, Equipercentile Method	4	2307
	5	2308
	6	2309

GATES-MACGINITIE READING TESTS (GMT), 1964 EDITION:

AVERAGE OF EQUATING PROCEDURES 1 AND 2, EQUIPERCENTILE METHOD

VOCABULARY SURVEY D FORM 1			COMPREHENSION SURVEY D FORM 1			TOTAL READING SURVEY D FORM 1		
RAW SCORE	PERCENTILE RANK	STANINE	RAW SCORE	PERCENTILE RANK	STANINE	RAW SCORE	PERCENTILE RANK	STANINE
50	99+	9	52	99+	9	102	99+	9
49	99+	9	51	99+	9	101	99+	9
48	99+	9	50	99	9	100	99+	9
47	99+	9	49	99	9	99	99+	9
46	99+	9	48	98	9	98	99+	9
45	99+	9	47	97	9	97	99+	9
44	99	9	46	96	8	96	99+	9
43	99	9	45	94	8	95	99+	9
42	99	9	44	92	8	94	99+	9
41	98	9	43	90	8	93	99+	9
40	97	9	42	89	7	92	99	9
39	96	8	41	86	7	91	99	9
38	94	8	40	84	7	90	99	9
37	92	8	39	82	7	89	99	9
36	90	8	38	79	7	88	98	9
35	87	7	37	76	6	87	98	9
34	84	7	36	74	6	86	97	9
33	80	7	35	70	6	85	97	9
32	76	6	34	67	6	84	96	9
31	71	6	33	64	6	83	95	8
30	67	6	32	62	6	82	94	8
29	62	6	31	59	5	81	93	8
28	57	5	30	57	5	80	92	8
27	52	5	29	54	5	79	91	8
26	47	5	28	51	5	78	90	8
25	43	5	27	48	5	77	89	7
24	39	4	26	45	5	76	88	7
23	35	4	25	43	5	75	86	7
22	32	4	24	40	4	74	85	7
21	29	4	23	37	4	73	83	7
20	25	4	22	35	4	72	82	7
19	22	3	21	32	4	71	81	7
18	19	3	20	30	4	70	79	7
17	16	3	19	27	4	69	78	7
16	14	3	18	24	4	68	76	6
15	11	3	17	21	3	67	74	6
14	9	2	16	19	3	66	72	6
13	7	2	15	17	3	65	70	6
12	6	2	14	14	3	64	68	6
11	5	2	13	12	3	63	67	6
10	4	1	12	10	2	62	65	6
9	2	1	11	8	2	61	63	6

GATES-MACGINITIE READING TESTS (GMT), 1964 EDITION:

AVERAGE OF EQUATING PROCEDURES 1 AND 2, EQUIPERCENTILE METHOD

VOCABULARY SURVEY D FORM 1			COMPREHENSION SURVEY D FORM 1			TOTAL READING SURVEY D FORM 1		
RAW SCORE	PERCENTILE RANK	STANINE	RAW SCORE	PERCENTILE RANK	STANINE	RAW SCORE	PERCENTILE RANK	STANINE
8	2	1	10	6	2	60	60	6
7	1	1	9	4	2	59	58	5
6	1	1	8	3	1	58	57	5
5	1	1	7	2	1	57	55	5
4	1-	1	6	1	1	56	53	5
3	1-	1	5	1	1	55	52	5
2	1-	1	4	1-	1	54	50	5
1	1-	1	3	1-	1	53	48	5
0	1-	1	2	1-	1	52	47	5
			1	1-	1	51	45	5
			0	1-	1	50	43	5
						49	41	5
						48	40	4
						47	38	4
						46	37	4
						45	35	4
						44	34	4
						43	32	4
						42	30	4
						41	29	4
						40	27	4
						39	26	4
						38	24	4
						37	23	4
						36	21	3
						35	20	3
						34	18	3
						33	17	3
						32	16	3
						31	15	3
						30	13	3
						29	12	3
						28	11	3
						27	10	2
						26	8	2
						25	7	2
						24	7	2
						23	6	2
						22	5	2
						21	4	2
						20	3	1
						19	3	1

GATES-MACGINITIE READING TESTS (GMT), 1964 EDITION:

AVERAGE OF EQUATING PROCEDURES 1 AND 2, EQUIPERCENTILE METHOD

VOCABULARY SURVEY D FORM 1			COMPREHENSION SURVEY D FORM 1			TOTAL READING SURVEY D FORM 1		
RAW SCORE	PERCENTILE RANK	STANINE	RAW SCORE	PERCENTILE RANK	STANINE	RAW SCORE	PERCENTILE RANK	STANINE
						18	2	1
						17	2	1
						16	1	1
						15	1	1
						14	1	1
						13	1	1
						12	1-	1
						11	1-	1
						10	1-	1
						9	1-	1
						8	1-	1
						7	1-	1
						6	1-	1
						5	1-	1
						4	1-	1
						3	1-	1
						2	1-	1
						1	1-	1
						0	1-	1

NOTE: ANY VALUE 99.5% AND ABOVE IS LISTED AS 99+; ANY VALUE LESS THAN .5% IS LISTED AS 1-.

GATES-MACGINITIE READING TESTS (GMT), 1964 EDITION:

AVERAGE OF EQUATING PROCEDURES 1 AND 2, EQUIPERCENTILE METHOD

VOCABULARY SURVEY D FORM 1			COMPREHENSION SURVEY D FORM 1			TOTAL READING SURVEY D FORM 1		
RAW SCORE	PERCENTILE RANK	STANINE	RAW SCORE	PERCENTILE RANK	STANINE	RAW SCORE	PERCENTILE RANK	STANINE
50	99+	9	52	99+	9	102	99+	9
49	99+	9	51	99	9	101	99+	9
48	99+	9	50	98	9	100	99+	9
47	99+	9	49	96	9	99	99+	9
46	99	9	48	95	8	98	99+	9
45	99	9	47	92	8	97	99+	9
44	98	9	46	89	7	96	99+	9
43	97	9	45	86	7	95	99	9
42	95	8	44	82	7	94	99	9
41	93	8	43	78	7	93	98	9
40	91	8	42	74	6	92	98	9
39	88	7	41	70	6	91	97	9
38	85	7	40	67	6	90	96	9
37	81	7	39	63	6	89	95	8
36	76	6	38	59	5	88	94	8
35	72	6	37	56	5	87	93	8
34	67	6	36	53	5	86	91	8
33	62	6	35	50	5	85	90	8
32	57	5	34	47	5	84	88	7
31	52	5	33	44	5	83	87	7
30	46	5	32	42	5	82	85	7
29	42	5	31	39	4	81	83	7
28	37	4	30	37	4	80	81	7
27	33	4	29	35	4	79	79	7
26	29	4	28	33	4	78	77	6
25	26	4	27	31	4	77	74	6
24	23	4	26	28	4	76	72	6
23	20	3	25	26	4	75	70	6
22	18	3	24	24	4	74	68	6
21	16	3	23	23	3	73	66	6
20	13	3	22	20	3	72	64	6
19	12	3	21	18	3	71	62	6
18	10	2	20	16	3	70	59	5
17	8	2	19	15	3	69	57	5
16	7	2	18	13	3	68	55	5
15	6	2	17	12	3	67	53	5
14	5	2	16	10	2	66	51	5
13	4	1	15	9	2	65	49	5
12	3	1	14	7	2	64	47	5
11	3	1	13	6	2	63	46	5
10	2	1	12	5	2	62	44	5
9	1	1	11	4	2	61	42	5

GATES-MACGINITIE READING TESTS (GMT), 1964 EDITION:

AVERAGE OF EQUATING PROCEDURES 1 AND 2, EQUIPERCENTILE METHOD

VOCABULARY SURVEY D FORM 1			COMPREHENSION SURVEY D FORM 1			TOTAL READING SURVEY D FORM 1		
RAW SCORE	PERCENTILE RANK	STANINE	RAW SCORE	PERCENTILE RANK	STANINE	RAW SCORE	PERCENTILE RANK	STANINE
8	1	1	10	3	1	60	41	5
7	1	1	9	2	1	59	39	4
6	1-	1	8	1	1	58	38	4
5	1-	1	7	1	1	57	36	4
4	1-	1	6	1	1	56	35	4
3	1-	1	5	1-	1	55	33	4
2	1-	1	4	1-	1	54	32	4
1	1-	1	3	1-	1	53	30	4
0	1-	1	2	1-	1	52	29	4
			1	1-	1	51	28	4
			0	1-	1	50	26	4
						49	25	4
						48	23	4
						47	22	3
						46	21	3
						45	20	3
						44	18	3
						43	17	3
						42	16	3
						41	15	3
						40	14	3
						39	13	3
						38	12	3
						37	11	3
						36	10	2
						35	10	2
						34	9	2
						33	8	2
						32	8	2
						31	7	2
						30	7	2
						29	6	2
						28	5	2
						27	5	2
						26	4	2
						25	4	1
						24	3	1
						23	3	1
						22	2	1
						21	2	1
						20	2	1
						19	1	1

TABLE 2305. ANCHOR TEST RESTANDARDIZATION STUDY SUPPLEMENT: INDIVIDUAL SCORE NORMS- GRADE 5

GATES-MACGINITIE READING TESTS (GMT), 1964 EDITION:

AVERAGE OF EQUATING PROCEDURES 1 AND 2, EQUIPERCENTILE METHOD

VOCABULARY SURVEY D FORM 1			COMPREHENSION SURVEY D FORM 1			TOTAL READING SURVEY D FORM 1		
RAW SCORE	PERCENTILE RANK	STANINE	RAW SCORE	PERCENTILE RANK	STANINE	RAW SCORE	PERCENTILE RANK	STANINE
						18	1	1
						17	1	1
						16	1	1
						15	1	1
						14	1	1
						13	1-	1
						12	1-	1
						11	1-	1
						10	1-	1
						9	1-	1
						8	1-	1
						7	1-	1
						6	1-	1
						5	1-	1
						4	1-	1
						3	1-	1
						2	1-	1
						1	1-	1
						0	1-	1

NOTE: ANY VALUE 99.5% AND ABOVE IS LISTED AS 99+; ANY VALUE LESS THAN .5% IS LISTED AS 1-.

GATES-MACGINITIE READING TESTS (GMT), 1964 EDITION:

AVERAGE OF EQUATING PROCEDURES 1 AND 2, EQUIPERCENTILE METHOD

VOCABULARY SURVEY D FORM 1			COMPREHENSION SURVEY D FORM 1			TOTAL READING SURVEY D FORM 1		
RAW SCORE	PERCENTILE RANK	STANINE	RAW SCORE	PERCENTILE RANK	STANINE	RAW SCORE	PERCENTILE RANK	STANINE
50	99+	9	52	99	9	102	99+	9
49	99+	9	51	97	9	101	99+	9
48	99	9	50	94	8	100	99+	9
47	99	9	49	90	8	99	99	9
46	97	9	48	85	7	98	99	9
45	96	9	47	80	7	97	98	9
44	94	8	46	75	6	96	97	9
43	91	8	45	70	6	95	96	9
42	88	7	44	66	6	94	95	8
41	84	7	43	61	6	93	93	8
40	80	7	42	57	5	92	92	8
39	75	6	41	52	5	91	90	8
38	70	6	40	48	5	90	88	7
37	65	6	39	45	5	89	86	7
36	60	5	38	42	5	88	84	7
35	54	5	37	38	4	87	82	7
34	48	5	36	35	4	86	80	7
33	42	5	35	32	4	85	77	6
32	38	4	34	30	4	84	75	6
31	33	4	33	27	4	83	72	6
30	30	4	32	25	4	82	69	6
29	26	4	31	24	4	81	66	6
28	23	3	30	22	3	80	63	6
27	20	3	29	20	3	79	61	6
26	17	3	28	19	3	78	59	5
25	15	3	27	17	3	77	56	5
24	13	3	26	16	3	76	54	5
23	11	3	25	14	3	75	51	5
22	9	2	24	13	3	74	49	5
21	8	2	23	12	3	73	47	5
20	7	2	22	11	3	72	44	5
19	6	2	21	9	2	71	42	5
18	5	2	20	8	2	70	41	5
17	5	2	19	7	2	69	39	4
16	4	1	18	6	2	68	37	4
15	3	1	17	6	2	67	35	4
14	2	1	16	5	2	66	33	4
13	2	1	15	4	2	65	31	4
12	1	1	14	3	1	64	30	4
11	1	1	13	3	1	63	28	4
10	1	1	12	2	1	62	27	4
9	1-	1	11	2	1	61	26	4

GATES-MACGINITIE READING TESTS (GMT), 1964 EDITION:

AVERAGE OF EQUATING PROCEDURES 1 AND 2, EQUIPERCENTILE METHOD

VOCABULARY SURVEY D FORM 1			COMPREHENSION SURVEY D FORM 1			TOTAL READING SURVEY D FORM 1		
RAW SCORE	PERCENTILE RANK	STANINE	RAW SCORE	PERCENTILE RANK	STANINE	RAW SCORE	PERCENTILE RANK	STANINE
8	1-	1	10	1	1	60	25	4
7	1-	1	9	1	1	59	23	4
6	1-	1	8	1	1	58	22	3
5	1-	1	7	1	1	57	21	3
4	1-	1	6	1-	1	56	20	3
3	1-	1	5	1-	1	55	19	3
2	1-	1	4	1-	1	54	18	3
1	1-	1	3	1-	1	53	17	3
0	1-	1	2	1-	1	52	16	3
			1	1-	1	51	15	3
			0	1-	1	50	14	3
						49	13	3
						48	12	3
						47	12	3
						46	11	3
						45	10	2
						44	9	2
						43	9	2
						42	8	2
						41	8	2
						40	7	2
						39	7	2
						38	6	2
						37	6	2
						36	5	2
						35	5	2
						34	5	2
						33	4	2
						32	4	1
						31	3	1
						30	3	1
						29	3	1
						28	2	1
						27	2	1
						26	2	1
						25	2	1
						24	1	1
						23	1	1
						22	1	1
						21	1	1
						20	1	1
						19	1-	1

GATES-MACGINITIE READING TESTS (GMT), 1964 EDITION:

AVERAGE OF EQUATING PROCEDURES 1 AND 2, EQUIPERCENTILE METHOD

VOCABULARY SURVEY D FORM 1			COMPREHENSION SURVEY D FORM 1			TOTAL READING SURVEY D FORM 1		
RAW SCORE	PERCENTILE RANK	STANINE	RAW SCORE	PERCENTILE RANK	STANINE	RAW SCORE	PERCENTILE RANK	STANINE
						18	1-	1
						17	1-	1
						16	1-	1
						15	1-	1
						14	1-	1
						13	1-	1
						12	1-	1
						11	1-	1
						10	1-	1
						9	1-	1
						8	1-	1
						7	1-	1
						6	1-	1
						5	1-	1
						4	1-	1
						3	1-	1
						2	1-	1
						1	1-	1
						0	1-	1

NOTE: ANY VALUE 99.5% AND ABOVE IS LISTED AS 99+; ANY VALUE LESS THAN .5% IS LISTED AS 1-.

TABLE 2307. ANCHOR TEST RESTANDARDIZATION STUDY SUPPLEMENT: SCHOOL MEAN NORMS- GRADE 4

GATES-MACGINITIE READING TESTS (GMT), 1964 EDITION:

AVERAGE OF EQUATING PROCEDURES 1 AND 2, EQUIPERCENTILE METHOD

VOCABULARY SURVEY D FORM 1			COMPREHENSION SURVEY D FORM 1			TOTAL READING SURVEY D FORM 1		
MEAN RAW SCORE	PERCENTILE RANK	STANINE	MEAN RAW SCORE	PERCENTILE RANK	STANINE	MEAN RAW SCORE	PERCENTILE RANK	STANINE
50	99+	9	52	99+	9	102	99+	9
49	99+	9	51	99+	9	101	99+	9
48	99+	9	50	99+	9	100	99+	9
47	99+	9	49	99+	9	99	99+	9
46	99+	9	48	99+	9	98	99+	9
45	99+	9	47	99+	9	97	99+	9
44	99+	9	46	99+	9	96	99+	9
43	99+	9	45	99+	9	95	99+	9
42	99+	9	44	99+	9	94	99+	9
41	99+	9	43	99+	9	93	99+	9
40	99+	9	42	99+	9	92	99+	9
39	99+	9	41	99+	9	91	99+	9
38	99+	9	40	99	9	90	99+	9
37	99+	9	39	99	9	89	99+	9
36	99+	9	38	99	9	88	99+	9
35	99	9	37	98	9	87	99+	9
34	99	9	36	95	8	86	99+	9
33	98	9	35	91	8	85	99+	9
32	95	8	34	85	7	84	99+	9
31	89	7	33	79	7	83	99+	9
30	82	7	32	74	6	82	99+	9
29	72	6	31	67	6	81	99+	9
28	61	6	30	60	6	80	99+	9
27	51	5	29	53	5	79	99+	9
26	41	5	28	45	5	78	99+	9
25	33	4	27	38	4	77	99	9
24	25	4	26	32	4	76	99	9
23	20	3	25	26	4	75	99	9
22	15	3	24	22	3	74	99	9
21	12	3	23	18	3	73	99	9
20	8	2	22	14	3	72	99	9
19	6	2	21	11	3	71	99	9
18	3	1	20	9	2	70	98	9
17	2	1	19	7	2	69	97	9
16	1	1	18	5	2	68	95	8
15	1	1	17	3	1	67	94	8
14	1-	1	16	2	1	66	92	8
13	1-	1	15	1	1	65	89	7
12	1-	1	14	1	1	64	85	7
11	1-	1	13	1-	1	63	81	7
10	1-	1	12	1-	1	62	77	7
9	1-	1	11	1-	1	61	74	6

TABLE 2307. ANCHOR TEST RESTANDARDIZATION STUDY SUPPLEMENT: SCHOOL MEAN NORMS- GRADE 4

GATES-MACGINITIE READING TESTS (GMT), 1964 EDITION:

AVERAGE OF EQUATING PROCEDURES 1 AND 2, EQUIPERCENTILE METHOD

VOCABULARY SURVEY D FORM 1			COMPREHENSION SURVEY D FORM 1			TOTAL READING SURVEY D FORM 1		
MEAN RAW SCORE	PERCENTILE RANK	STANINE	MEAN RAW SCORE	PERCENTILE RANK	STANINE	MEAN RAW SCORE	PERCENTILE RANK	STANINE
8	1-	1	10	1-	1	60	70	6
7	1-	1	9	1-	1	59	66	6
6	1-	1	8	1-	1	58	62	6
5	1-	1	7	1-	1	57	57	5
4	1-	1	6	1-	1	56	53	5
3	1-	1	5	1-	1	55	48	5
2	1-	1	4	1-	1	54	44	5
1	1-	1	3	1-	1	53	40	4
0	1-	1	2	1-	1	52	36	4
			1	1-	1	51	33	4
			0	1-	1	50	29	4
						49	26	4
						48	23	4
						47	20	3
						46	18	3
						45	16	3
						44	15	3
						43	13	3
						42	12	3
						41	10	2
						40	9	2
						39	7	2
						38	6	2
						37	5	2
						36	4	1
						35	3	1
						34	2	1
						33	2	1
						32	1	1
						31	1	1
						30	1	1
						29	1	1
						28	1	1
						27	1-	1
						26	1-	1
						25	1-	1
						24	1-	1
						23	1-	1
						22	1-	1
						21	1-	1
						20	1-	1
						19	1-	1

TABLE 2307. ANCHOR TEST RESTANDARDIZATION STUDY SUPPLEMENT: SCHOOL MEAN NORMS- GRADE 4

GATES-MACGINITIE READING TESTS (GMT), 1964 EDITION:

AVERAGE OF EQUATING PROCEDURES 1 AND 2, EQUIPERCENTILE METHOD

VOCABULARY SURVEY D FORM 1			COMPREHENSION SURVEY D FORM 1			TOTAL READING SURVEY D FORM 1		
MEAN RAW SCORE	PERCENTILE RANK	STANINE	MEAN RAW SCORE	PERCENTILE RANK	STANINE	MEAN RAW SCORE	PERCENTILE RANK	STANINE
						18	1-	1
						17	1-	1
						16	1-	1
						15	1-	1
						14	1-	1
						13	1-	1
						12	1-	1
						11	1-	1
						10	1-	1
						9	1-	1
						8	1-	1
						7	1-	1
						6	1-	1
						5	1-	1
						4	1-	1
						3	1-	1
						2	1-	1
						1	1-	1
						0	1-	1

NOTE: ANY VALUE 99.5% AND ABOVE IS LISTED AS 99+; ANY VALUE LESS THAN .5% IS LISTED AS 1-.

GATES-MACGINITIE READING TESTS (GMT), 1964 EDITION:

AVERAGE OF EQUATING PROCEDURES 1 AND 2, EQUIPERCENTILE METHOD

VOCABULARY SURVEY D FORM 1			COMPREHENSION SURVEY D FORM 1			TOTAL READING SURVEY D FORM 1		
MEAN RAW SCORE	PERCENTILE RANK	STANINE	MEAN RAW SCORE	PERCENTILE RANK	STANINE	MEAN RAW SCORE	PERCENTILE RANK	STANINE
50	99+	9	52	99+	9	102	99+	9
49	99+	9	51	99+	9	101	99+	9
48	99+	9	50	99+	9	100	99+	9
47	99+	9	49	99+	9	99	99+	9
46	99+	9	48	99+	9	98	99+	9
45	99+	9	47	99+	9	97	99+	9
44	99+	9	46	99+	9	96	99+	9
43	99+	9	45	99+	9	95	99+	9
42	99+	9	44	99	9	94	99+	9
41	99+	9	43	98	9	93	99+	9
40	99+	9	42	97	9	92	99+	9
39	99+	9	41	94	8	91	99+	9
38	99	9	40	91	8	90	99+	9
37	98	9	39	86	7	89	99+	9
36	95	8	38	79	7	88	99+	9
35	90	8	37	72	6	87	99+	9
34	82	7	36	63	6	86	99+	9
33	72	6	35	56	5	85	99+	9
32	61	6	34	48	5	84	99+	9
31	50	5	33	40	5	83	99+	9
30	41	5	32	33	4	82	99+	9
29	33	4	31	27	4	81	99	9
28	26	4	30	22	3	80	99	9
27	21	3	29	18	3	79	98	9
26	16	3	28	15	3	78	97	9
25	12	3	27	12	3	77	96	8
24	9	2	26	9	2	76	94	8
23	7	2	25	7	2	75	91	8
22	5	2	24	6	2	74	89	7
21	4	1	23	4	2	73	86	7
20	2	1	22	3	1	72	81	7
19	1	1	21	2	1	71	77	6
18	1-	1	20	2	1	70	72	6
17	1-	1	19	1	1	69	68	6
16	1-	1	18	1	1	68	63	6
15	1-	1	17	1-	1	67	58	5
14	1-	1	16	1-	1	66	53	5
13	1-	1	15	1-	1	65	49	5
12	1-	1	14	1-	1	64	45	5
11	1-	1	13	1-	1	63	41	5
10	1-	1	12	1-	1	62	38	4
9	1-	1	11	1-	1	61	34	4

GATES-MACGINITIE READING TESTS (GMT), 1964 EDITION:

AVERAGE OF EQUATING PROCEDURES 1 AND 2, EQUIPERCENTILE METHOD

VOCABULARY SURVEY D FORM 1			COMPREHENSION SURVEY D FORM 1			TOTAL READING SURVEY D FORM 1		
MEAN RAW SCORE	PERCENTILE RANK	STANINE	MEAN RAW SCORE	PERCENTILE RANK	STANINE	MEAN RAW SCORE	PERCENTILE RANK	STANINE
8	1-	1	10	1-	1	60	31	4
7	1-	1	9	1-	1	59	27	4
6	1-	1	8	1-	1	58	24	4
5	1-	1	7	1-	1	57	22	3
4	1-	1	6	1-	1	56	20	3
3	1-	1	5	1-	1	55	18	3
2	1-	1	4	1-	1	54	16	3
1	1-	1	3	1-	1	53	14	3
0	1-	1	2	1-	1	52	12	3
			1	1-	1	51	11	3
			0	1-	1	50	9	2
						49	8	2
						48	7	2
						47	6	2
						46	6	2
						45	5	2
						44	4	2
						43	4	1
						42	3	1
						41	2	1
						40	2	1
						39	1	1
						38	1	1
						37	1	1
						36	1	1
						35	1-	1
						34	1-	1
						33	1-	1
						32	1-	1
						31	1-	1
						30	1-	1
						29	1-	1
						28	1-	1
						27	1-	1
						26	1-	1
						25	1-	1
						24	1-	1
						23	1-	1
						22	1-	1
						21	1-	1
						20	1-	1
						19	1-	1

TABLE 2308. ANCHOR TEST RESTANDARDIZATION STUDY SUPPLEMENT: SCHOOL MEAN NORMS- GRADE 5

GATES-MACGINITIE READING TESTS (GMT), 1964 EDITION:

AVERAGE OF EQUATING PROCEDURES 1 AND 2, EQUIPERCENTILE METHOD

VOCABULARY SURVEY D FORM 1			COMPREHENSION SURVEY D FORM 1			TOTAL READING SURVEY D FORM 1		
MEAN RAW SCORE	PERCENTILE RANK	STANINE	MEAN RAW SCORE	PERCENTILE RANK	STANINE	MEAN RAW SCORE	PERCENTILE RANK	STANINE
						18	1-	1
						17	1-	1
						16	1-	1
						15	1-	1
						14	1-	1
						13	1-	1
						12	1-	1
						11	1-	1
						10	1-	1
						9	1-	1
						8	1-	1
						7	1-	1
						6	1-	1
						5	1-	1
						4	1-	1
						3	1-	1
						2	1-	1
						1	1-	1
						0	1-	1

NOTE: ANY VALUE 99.5% AND ABOVE IS LISTED AS 99+; ANY VALUE LESS THAN .5% IS LISTED AS 1-.

TABLE 2309. ANCHOR TEST RESTANDARDIZATION STUDY SUPPLEMENT: SCHOOL MEAN NORMS- GRADE 6

GATES-MACGINITIE READING TESTS (GMT), 1964 EDITION:

AVERAGE OF EQUATING PROCEDURES 1 AND 2, EQUIPERCENTILE METHOD

VOCABULARY SURVEY D FORM 1			COMPREHENSION SURVEY D FORM 1			TOTAL READING SURVEY D FORM 1		
MEAN RAW SCORE	PERCENTILE RANK	STANINE	MEAN RAW SCORE	PERCENTILE RANK	STANINE	MEAN RAW SCORE	PERCENTILE RANK	STANINE
50	99+	9	52	99+	9	102	99+	9
49	99+	9	51	99+	9	101	99+	9
48	99+	9	50	99+	9	100	99+	9
47	99+	9	49	99	9	99	99+	9
46	99+	9	48	99	9	98	99+	9
45	99+	9	47	98	9	97	99+	9
44	99+	9	46	97	9	96	99+	9
43	99+	9	45	94	8	95	99	9
42	99	9	44	90	8	94	99	9
41	99	9	43	83	7	93	99	9
40	97	9	42	74	6	92	99	9
39	94	8	41	65	6	91	99	9
38	88	7	40	55	5	90	99	9
37	79	7	39	46	5	89	99	9
36	67	6	38	39	4	88	99	9
35	55	5	37	33	4	87	98	9
34	44	5	36	27	4	86	97	9
33	36	4	35	23	4	85	97	9
32	29	4	34	19	3	84	95	8
31	23	4	33	16	3	83	93	8
30	18	3	32	13	3	82	91	8
29	14	3	31	10	2	81	87	7
28	11	3	30	8	2	80	82	7
27	8	2	29	6	2	79	77	7
26	6	2	28	4	2	78	72	6
25	4	1	27	3	1	77	66	6
24	2	1	26	2	1	76	61	6
23	1	1	25	2	1	75	55	5
22	1	1	24	1	1	74	50	5
21	1-	1	23	1	1	73	46	5
20	1-	1	22	1	1	72	42	5
19	1-	1	21	1-	1	71	38	4
18	1-	1	20	1-	1	70	35	4
17	1-	1	19	1-	1	69	31	4
16	1-	1	18	1-	1	68	28	4
15	1-	1	17	1-	1	67	26	4
14	1-	1	16	1-	1	66	23	4
13	1-	1	15	1-	1	65	21	3
12	1-	1	14	1-	1	64	19	3
11	1-	1	13	1-	1	63	17	3
10	1-	1	12	1-	1	62	16	3
9	1-	1	11	1-	1	61	14	3

TABLE 2309. ANCHOR TEST RESTANDARDIZATION STUDY SUPPLEMENT: SCHOOL MEAN NORMS- GRADE 6

GATES-MACGINITIE READING TESTS (GMT), 1964 EDITION:

AVERAGE OF EQUATING PROCEDURES 1 AND 2, EQUIPERCENTILE METHOD

VOCABULARY SURVEY D FORM 1			COMPREHENSION SURVEY D FORM 1			TOTAL READING SURVEY D FORM 1		
MEAN RAW SCORE	PERCENTILE RANK	STANINE	MEAN RAW SCORE	PERCENTILE RANK	STANINE	MEAN RAW SCORE	PERCENTILE RANK	STANINE
8	1-	1	10	1-	1	60	13	3
7	1-	1	9	1-	1	59	11	3
6	1-	1	8	1-	1	58	10	2
5	1-	1	7	1-	1	57	9	2
4	1-	1	6	1-	1	56	7	2
3	1-	1	5	1-	1	55	6	2
2	1-	1	4	1-	1	54	5	2
1	1-	1	3	1-	1	53	4	2
0	1-	1	2	1-	1	52	4	1
			1	1-	1	51	3	1
			0	1-	1	50	3	1
						49	2	1
						48	2	1
						47	1	1
						46	1	1
						45	1	1
						44	1	1
						43	1	1
						42	1-	1
						41	1-	1
						40	1-	1
						39	1-	1
						38	1-	1
						37	1-	1
						36	1-	1
						35	1-	1
						34	1-	1
						33	1-	1
						32	1-	1
						31	1-	1
						30	1-	1
						29	1-	1
						28	1-	1
						27	1-	1
						26	1-	1
						25	1-	1
						24	1-	1
						23	1-	1
						22	1-	1
						21	1-	1
						20	1-	1
						19	1-	1

TABLE 2309. ANCHOR TEST RESTANDARDIZATION STUDY SUPPLEMENT: SCHOOL MEAN NORMS- GRADE 6

GATES-MACGINITIE READING TESTS (GMT), 1964 EDITION:

AVERAGE OF EQUATING PROCEDURES 1 AND 2, EQUIPERCENTILE METHOD

VOCABULARY SURVEY D FORM 1			COMPREHENSION SURVEY D FORM 1			TOTAL READING SURVEY D FORM 1		
MEAN RAW SCORE	PERCENTILE RANK	STANINE	MEAN RAW SCORE	PERCENTILE RANK	STANINE	MEAN RAW SCORE	PERCENTILE RANK	STANINE
						18	1-	1
						17	1-	1
						16	1-	1
						15	1-	1
						14	1-	1
						13	1-	1
						12	1-	1
						11	1-	1
						10	1-	1
						9	1-	1
						8	1-	1
						7	1-	1
						6	1-	1
						5	1-	1
						4	1-	1
						3	1-	1
						2	1-	1
						1	1-	1
						0	1-	1

NOTE: ANY VALUE 99.5% AND ABOVE IS LISTED AS 99+; ANY VALUE LESS THAN .5% IS LISTED AS 1-.

LIST OF NORMS COMPARISON TABLES FOR THE GATES MACGINITIE READING TEST

Method	Grade	Table Number
Average of Procedures 1 and 2, Equipercentile Method	4	2310
	5	2311
	6	2312

GATES-MACGINITIE READING TESTS (GMT), 1964 EDITION:

COMPARISON BETWEEN ANCHOR TEST STUDY (ATS) NORMS AND TEST PUBLISHER (PUB) NORMS

VOCABULARY SURVEY D FORM 1				COMPREHENSION SURVEY D FORM 1				TOTAL READING SURVEY D FORM 1			
	PERCENTILE RANK				PERCENTILE RANK				PERCENTILE RANK		
RAW SCORE	ATS	PUB	DIFFERENCE (ATS-PUB)	RAW SCORE	ATS	PUB	DIFFERENCE (ATS-PUB)	RAW SCORE	ATS	PUB	DIFFERENCE (ATS-PUB)
50	99	99	0	52	99	99	0				
49	99	99	0	51	99	99	0				
48	99	99	0	50	99	99	0				
47	99	99	0	49	99	98	1				
46	99	99	0	48	98	97	1				
45	99	99	0	47	97	96	1				
44	99	99	0	46	96	93	3				
43	99	99	0	45	94	90	4				
42	99	98	1	44	92	88	4				
41	98	98	0	43	90	86	4				
40	97	96	1	42	89	84	5				
39	96	95	1	41	86	82	4				
38	94	93	1	40	84	79	5				
37	92	90	2	39	82	76	6				
36	90	88	2	38	79	73	6				
35	87	86	1	37	76	69	7				
34	84	82	2	36	74	66	8				
33	80	79	1	35	70	62	8				
32	76	76	0	34	67	58	9				
31	71	73	- 2	33	64	58	6				
30	67	66	1	32	62	54	8				
29	62	62	0	31	59	50	9				
28	57	58	- 1	30	57	50	7				
27	52	54	- 2	29	54	46	8				
26	47	50	- 3	28	51	42	9				
25	43	46	- 3	27	48	38	10				
24	39	42	- 3	26	45	38	7				
23	35	38	- 3	25	43	34	9				
22	32	34	- 2	24	40	31	9				
21	29	31	- 2	23	37	31	6				
20	25	27	- 2	22	35	27	8				
19	22	24	- 2	21	32	24	8				
18	19	21	- 2	20	30	21	9				
17	16	16	0	19	27	21	6				
16	14	14	0	18	24	18	6				
15	11	8	3	17	21	16	5				
14	9	7	2	16	19	14	5				
13	7	5	2	15	17	12	5				
12	6	4	2	14	14	10	4				
11	5	3	2	13	12	8	4				
10	4	2	2	12	10	7	3				

GATES-MACGINITIE READING TESTS (GMT), 1964 EDITION:

COMPARISON BETWEEN ANCHOR TEST STUDY (ATS) NORMS AND TEST PUBLISHER (PUB) NORMS

VOCABULARY SURVEY D FORM 1				COMPREHENSION SURVEY D FORM 1				TOTAL READING SURVEY D FORM 1			
	PERCENTILE RANK				PERCENTILE RANK				PERCENTILE RANK		
RAW SCORE	ATS	PUB	DIFFERENCE (ATS-PUB)	RAW SCORE	ATS	PUB	DIFFERENCE (ATS-PUB)	RAW SCORE	ATS	PUB	DIFFERENCE (ATS-PUB)
9	2	2	0	11	8	5	3				
8	2	2	0	10	6	4	2				
7	1	2	- 1	9	4	3	1				
6	1	2	- 1	8	3	2	1				
5	1	2	- 1	7	2	2	0				
4	1	2	- 1	6	1	2	- 1				
3	1	2	- 1	5	1	2	- 1				
2	1	2	- 1	4	1	2	- 1				
1	1	2	- 1	3	1	2	- 1				
0	1	2	- 1	2	1	2	- 1				
				1	1	2	- 1				
				0	1	2	- 1				

GATES-MACGINITIE READING TESTS (GMT), 1964 EDITION:

COMPARISON BETWEEN ANCHOR TEST STUDY (ATS) NORMS AND TEST PUBLISHER (PUB) NORMS

VOCABULARY SURVEY D FORM 1				COMPREHENSION SURVEY D FORM 1				TOTAL READING SURVEY D FORM 1			
	PERCENTILE RANK				PERCENTILE RANK				PERCENTILE RANK		
RAW SCORE	ATS	PUB	DIFFERENCE (ATS-PUB)	RAW SCORE	ATS	PUB	DIFFERENCE (ATS-PUB)	RAW SCORE	ATS	PUB	DIFFERENCE (ATS-PUB)
50	99	99	0	52	99	99	0				
49	99	99	0	51	99	99	0				
48	99	99	0	50	98	98	0				
47	99	99	0	49	96	96	0				
46	99	99	0	48	95	93	2				
45	99	99	0	47	92	90	2				
44	98	98	0	46	89	86	3				
43	97	97	0	45	86	82	4				
42	95	95	0	44	82	79	3				
41	93	92	1	43	78	73	5				
40	91	88	3	42	74	69	5				
39	88	86	2	41	70	66	4				
38	85	82	3	40	67	62	5				
37	81	79	2	39	63	58	5				
36	76	73	3	38	59	54	5				
35	72	69	3	37	56	50	6				
34	67	66	1	36	53	46	7				
33	62	62	0	35	50	42	8				
32	57	54	3	34	47	42	5				
31	52	50	2	33	44	38	6				
30	46	46	0	32	42	34	8				
29	42	42	0	31	39	31	8				
28	37	38	- 1	30	37	31	6				
27	33	34	- 1	29	35	27	8				
26	29	31	- 2	28	33	27	6				
25	26	27	- 1	27	31	24	7				
24	23	24	- 1	26	28	24	4				
23	20	21	- 1	25	26	21	5				
22	18	18	0	24	24	18	6				
21	16	16	0	23	23	18	5				
20	13	14	- 1	22	20	16	4				
19	12	12	0	21	18	14	4				
18	10	8	2	20	16	14	2				
17	8	7	1	19	15	12	3				
16	7	5	2	18	13	10	3				
15	6	4	2	17	12	10	2				
14	5	4	1	16	10	8	2				
13	4	3	1	15	9	7	2				
12	3	2	1	14	7	5	2				
11	3	2	1	13	6	4	2				
10	2	2	0	12	5	4	1				

GATES-MACGINITIE READING TESTS (GMT), 1964 EDITION:

COMPARISON BETWEEN ANCHOR TEST STUDY (ATS) NORMS AND TEST PUBLISHER (PUB) NORMS

VOCABULARY SURVEY D FORM 1				COMPREHENSION SURVEY D FORM 1				TOTAL READING SURVEY D FORM 1			
	PERCENTILE RANK				PERCENTILE RANK				PERCENTILE RANK		
RAW SCORE	ATS	PUB	DIFFERENCE (ATS-PUB)	RAW SCORE	ATS	PUB	DIFFERENCE (ATS-PUB)	RAW SCORE	ATS	PUB	DIFFERENCE (ATS-PUB)
9	1	2	- 1	11	4	3	1				
8	1	2	- 1	10	3	2	1				
7	1	2	- 1	9	2	2	0				
6	1	2	- 1	8	1	2	- 1				
5	1	2	- 1	7	1	2	- 1				
4	1	2	- 1	6	1	2	- 1				
3	1	2	- 1	5	1	2	- 1				
2	1	2	- 1	4	1	2	- 1				
1	1	2	- 1	3	1	2	- 1				
0	1	2	- 1	2	1	2	- 1				
				1	1	2	- 1				
				0	1	2	- 1				

GATES-MACGINITIE READING TESTS (GMT), 1964 EDITION:

COMPARISON BETWEEN ANCHOR TEST STUDY (ATS) NORMS AND TEST PUBLISHER (PUB) NORMS

VOCABULARY SURVEY D FORM 1				COMPREHENSION SURVEY D FORM 1				TOTAL READING SURVEY D FORM 1			
	PERCENTILE RANK		DIFFERENCE		PERCENTILE RANK		DIFFERENCE		PERCENTILE RANK		DIFFERENCE
RAW SCORE	ATS	PUB	(ATS-PUB)	RAW SCORE	ATS	PUB	(ATS-PUB)	RAW SCORE	ATS	PUB	(ATS-PUB)
50	99	99	0	52	99	99	0				
49	99	99	0	51	97	98	- 1				
48	99	99	0	50	94	95	- 1				
47	99	99	0	49	90	90	0				
46	97	99	- 2	48	85	84	1				
45	96	97	- 1	47	80	79	1				
44	94	96	- 2	46	75	76	- 1				
43	91	92	- 1	45	70	69	1				
42	88	88	0	44	66	62	4				
41	84	84	0	43	61	58	3				
40	80	79	1	42	57	54	3				
39	75	76	- 1	41	52	50	2				
38	70	69	1	40	48	46	2				
37	65	66	- 1	39	45	42	3				
36	60	58	2	38	42	38	4				
35	54	54	0	37	38	34	4				
34	48	46	2	36	35	31	4				
33	42	42	0	35	32	31	1				
32	38	38	0	34	30	27	3				
31	33	31	2	33	27	24	3				
30	30	27	3	32	25	21	4				
29	26	24	2	31	24	21	3				
28	23	21	2	30	22	18	4				
27	20	18	2	29	20	18	2				
26	17	16	1	28	19	16	3				
25	15	14	1	27	17	16	1				
24	13	14	- 1	26	16	14	2				
23	11	12	- 1	25	14	14	0				
22	9	10	- 1	24	13	12	1				
21	8	8	0	23	12	10	2				
20	7	8	- 1	22	11	10	1				
19	6	7	- 1	21	9	8	1				
18	5	5	0	20	8	8	0				
17	5	4	1	19	7	8	- 1				
16	4	4	0	18	6	7	- 1				
15	3	3	0	17	6	5	1				
14	2	2	0	16	5	5	0				
13	2	2	0	15	4	4	0				
12	1	2	- 1	14	3	4	- 1				
11	1	2	- 1	13	3	3	0				
10	1	2	- 1	12	2	2	0				

GATES-MACGINITIE READING TESTS (GMT), 1964 EDITION:

COMPARISON BETWEEN ANCHOR TEST STUDY (ATS) NORMS AND TEST PUBLISHER (PUB) NORMS

VOCABULARY SURVEY D FORM 1				COMPREHENSION SURVEY D FORM 1				TOTAL READING SURVEY D FORM 1			
	PERCENTILE RANK				PERCENTILE RANK				PERCENTILE RANK		
RAW SCORE	ATS	PUB	DIFFERENCE (ATS-PUB)	RAW SCORE	ATS	PUB	DIFFERENCE (ATS-PUB)	RAW SCORE	ATS	PUB	DIFFERENCE (ATS-PUB)
9	1	2	- 1	11	2	2	0				
8	1	2	- 1	10	1	2	- 1				
7	1	2	- 1	9	1	2	- 1				
6	1	2	- 1	8	1	2	- 1				
5	1	2	- 1	7	1	2	- 1				
4	1	2	- 1	6	1	2	- 1				
3	1	2	- 1	5	1	2	- 1				
2	1	2	- 1	4	1	2	- 1				
1	1	2	- 1	3	1	2	- 1				
0	1	2	- 1	2	1	2	- 1				
				1	1	2	- 1				
				0	1	2	- 1				